

ISUP_97_SuplServices

Fri Dec 3 11:56:33 1999

I

Test Suite Overview

Test Suite Structure			
Suite Name : ISUP_97_SuplServices Standards Ref : PICS Ref : ITU-T Recommendation Q.785.2, Annex A PIXIT Ref : ITU-T Recommendation Q.785.2, Annex B Test Method(s) : Distributed multi-party test method Comments :			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
CLIP/	TCS_CLIP	Support of Calling Line Identification Presentation	1356
CLIR/	TCS_CLIR	Support of Calling Line Identification Restriction	1376
COLP/	TCS_COLP	Support of Connected Line Identification Presentation	1388
COLR/	TCS_COLR	Support of Connected Line Identification Restriction	1447
TP/	TCS_TP	Support of Terminal Portability	1491
NO_TP/	TCS_NO_TP	Terminal Portability not supported	1511
UUS/	TCS_UUS	Support of User-to-User Signalling	1512
UUS/UUS1_I/	TCS_UUS1_I	Support of User-to-User Signalling service 1 implicit	1512
UUS/NO_UUS1_I/	TCS_NO_UUS1_I	User-to-User Signalling service 1 implicit not supported	1530
UUS/UUS1_E/	TCS_UUS1_E	Support of User-to-User Signalling service 1 explicit	1533
UUS/NO_UUS1_E/	TCS_NO_UUS1_E	User-to-User Signalling service 1 explicit not supported	1585

Continued on next page

Continued from previous page

Test Suite Structure			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
UUS/UUS2/	TCS_UUS2	Support of User-to-User Signalling service 2	1595
UUS/NO_UUS2/	TCS_NO_UUS2	User-to-User Signalling service 2 not supported	1635
UUS/UUS3/	TCS_UUS3	Support of User-to-User Signalling service 3	1645
UUS/NO_UUS3/	TCS_NO_UUS3	User-to-User Signalling service 3 not supported	1685
CUG/	TCS_CUG	Support of Closed User Group	1699
NO_CUG/	TCS_NO_CUG	Closed User Group not supported	1728
SUB/	TCS_SUB	Support of SUB_addressing	1730
MCID/	TCS_MCID	Support of Malicious Call IDentification	1735
NO_MCID/	TCS_NO_MCID	Malicious Call IDentification not supported	1772
CONF/	TCS_CONF	Support of CONFerence calling add on	1774
ECT/	TCS_ECT	Support of Explicit Call Transfer	1829
CDIV/	TCS_CDIV	Support of Call DIVersion services	1923
HOLD/	TCS_HOLD	Support of HOLD	2046
CW/	TCS_CW	Support of Call Waiting	2074
CCBS/	TCS_CCBS	Completion of Calls to Busy Subscribers	2091
CCBS/ISUP/		CCBS ISUP related tests	2091
CCBS/ASE/		CCBS ASE related tests	2122
THREE_PTY/	TCS_3PTY	Support of 3 ParTY	2169
CCNR/	TCS_CCBS	Completion of Call on No Reply	2206

Continued on next page

Continued from previous page

Test Suite Structure			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
CCNR/ISUP/ CCNR/ASE/		CCNR ISUP related tests	2206
		CCNR ASE related tests	2233
Detailed Comments :			

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CLIP/	ISS_V_1_1	TCS_OLE	Calling party number (network provided)	1356
CLIP/	ISS_V_1_2	TCS_OLE_and_SUB	Calling party number (network provided) with calling sub-address	1357
CLIP/	ISS_V_1_3	TCS_OLE	Calling party number (user provided, verified and passed)	1358
CLIP/	ISS_V_1_4	TCS_OLE_and_SUB	Calling party number (user provided, verified and passed) with calling sub-address	1359
CLIP/	ISS_V_1_5	TCS_OLE	Calling party number (user provided, not verified)	1360
CLIP/	ISS_V_1_6	TCS_OLE_and_SUB	Calling party number (user provided, not verified) with calling sub-address	1361
CLIP/	ISS_V_1_7_a	TCS_Transit	Passing on the calling party number	1362
CLIP/	ISS_V_1_7_b	TCS_Transit	Passing on the calling party number and the generic number	1363
CLIP/	ISS_V_1_8	TCS_OutIE_and_Omit_CgPN	Discarding the calling party number in case of bilateral agreements	1364
CLIP/	ISS_V_1_9	TCS_OutIE_and_Omit_addCgPN	Discarding the additional calling party number in case of bilateral agreements	1365

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CLIP/	ISS_V_1_10	TCS_OutIE	Discarding the calling party number, if the address is marked not available	1366
CLIP/	ISS_V_1_11	TCS_OutIE	Discarding the additional calling party number, if no calling party number is received	1367
CLIP/	ISS_V_1_12	TCS_OutIE	Converting the calling party number to international format	1368
CLIP/	ISS_V_1_13	TCS_OutIE	Converting the additional calling party number to international format	1369
CLIP/	ISS_I_1_14	TCS_OutIE	Discarding an incomplete calling party number	1370
CLIP/	ISS_V_1_15	TCS_InclE	Converting the calling party number to national format, if necessary	1371
CLIP/	ISS_V_1_16	TCS_InclE	Converting the additional calling party number to national format, if necessary	1372
CLIP/	ISS_I_1_17	TCS_InclE_and d_Add_prefix_ CgPN	Adding a prefix to an international calling party number	1373
CLIP/	ISS_I_1_18	TCS_InclE_and d_CgPN_APRI 2	Handling of address presentation restricted indicator set to "address not available"	1374
CLIP/	ISS_V_1_19	TCS_DLE_and _CDIV	CLIP – interaction with call diversion (CDIV)	1375

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CLIR/	ISS_V_2_1	TCS_OLE	Restricted calling party number (network provided)	1376
CLIR/	ISS_V_2_2	TCS_OLE_and_SUB	Restricted calling party number (network provided) with calling sub-address	1377
CLIR/	ISS_V_2_3	TCS_OLE	Restricted calling party number (user provided, verified and passed)	1378
CLIR/	ISS_V_2_4	TCS_OLE_and_SUB	Restricted calling party number (user provided, verified and passed) with calling sub-address	1379
CLIR/	ISS_V_2_5	TCS_OLE	Restricted calling party number (user provided, not verified)	1380
CLIR/	ISS_V_2_6	TCS_OLE_and_SUB	Restricted calling party number (user provided, not verified) with calling sub-address	1381
CLIR/	ISS_V_2_7_a	TCS_Transit	Conveying the information relating to CLIR	1382
CLIR/	ISS_V_2_7_b	TCS_Transit	Conveying the information relating to CLIR	1383
CLIR/	ISS_V_2_8	TCS_OutIE_and_Disc_CgPN	Discarding the calling party number if the presentation is restricted	1384
CLIR/	ISS_V_2_9	TCS_OutIE_and_Disc_addCgPN	Discarding the additional calling party number if the presentation is restricted	1385

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CLIR/	ISS_V_2_10	TCS_DLE_and _MCID	Presentation of the address – interaction with MCID	1386
CLIR/	ISS_V_2_11	TCS_DLE	Presentation of the address – called party has override category	1387
COLP/	ISS_V_3_1	TCS_OLE	Initiate COLP request	1388
COLP/	ISS_V_3_2_a	TCS_Transit	Passing on information relating to COLP – forward direction	1389
COLP/	ISS_V_3_2_b	TCS_Transit	Passing on information relating to COLP – backward direction (ANM)	1390
COLP/	ISS_V_3_2_c	TCS_Transit	Passing on information relating to COLP – backward direction (CON)	1392
COLP/	ISS_V_3_3_a	TCS_OutIE	Converting the connected number to national format, if necessary (ANM)	1393
COLP/	ISS_V_3_3_b	TCS_OutIE	Converting the connected number to national format, if necessary (CON)	1395
COLP/	ISS_V_3_4_a	TCS_OutIE	Converting the additional connected number to national format, if necessary (ANM)	1396
COLP/	ISS_V_3_4_b	TCS_OutIE	Converting the additional connected number to national format, if necessary (CON)	1398

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLP/	ISS_I_3_5_a	TCS_OutIE_and_Add_prefix_ConNb	Adding a prefix to an international connected number (ANM)	1400
COLP/	ISS_I_3_5_b	TCS_OutIE_and_Add_prefix_ConNb	Adding a prefix to an international connected number (CON)	1402
COLP/	ISS_V_3_6_a	TCS_InclE_and_Omit_ConNb	Discarding the connected number in case of bilateral agreements (ANM)	1403
COLP/	ISS_V_3_6_b	TCS_InclE_and_Omit_ConNb	Discarding the connected number in case of bilateral agreements (CON)	1405
COLP/	ISS_V_3_7_a	TCS_InclE_and_Omit_addConNb	Discarding the additional connected number in case of bilateral agreements (ANM)	1406
COLP/	ISS_V_3_7_b	TCS_InclE_and_Omit_addConNb	Discarding the additional connected number in case of bilateral agreements (CON)	1408
COLP/	ISS_V_3_8_a	TCS_InclE_and_ConNb_APR I2	Resetting the address signals of the connected number, if they are not to be sent (ANM)	1410
COLP/	ISS_V_3_8_b	TCS_InclE_and_ConNb_APR I2	Resetting the address signals of the connected number, if they are not to be sent (CON)	1411
COLP/	ISS_V_3_9_a	TCS_InclE	Converting the connected number to international format (ANM)	1412

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLP/	ISS_V_3_9_b	TCS_InclE	Converting the connected number to international format (CON)	1414
COLP/	ISS_I_3_10_a	TCS_OLE	Handling unrequested COL (ANM)	1415
COLP/	ISS_I_3_10_b	TCS_OLE	Handling unrequested COL (CON)	1417
COLP/	ISS_I_3_10_c	TCS_Transit	Handling unrequested COL (ANM)	1418
COLP/	ISS_I_3_10_d	TCS_Transit	Handling unrequested COL (CON)	1419
COLP/	ISS_V_3_11_a	TCS_DLE	Connected number (user provided, verified and passed)	1420
COLP/	ISS_V_3_11_b	TCS_DLE	Connected number (user provided, verified and passed)	1422
COLP/	ISS_V_3_12_a	TCS_DLE_and _SUB	Connected number (user provided, verified and passed) with connected sub-address (ANM)	1423
COLP/	ISS_V_3_12_b	TCS_DLE_and _SUB	Connected number (user provided, verified and passed) with connected sub-address (CON)	1425
COLP/	ISS_V_3_13_a	TCS_DLE	Connected number (network provided) – ANM	1426

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLP/	ISS_V_3_13_b	TCS_DLE	Connected number (network provided) – CON	1428
COLP/	ISS_V_3_14_a	TCS_DLE_and _SUB	Connected number (network provided) with connected sub-address – ANM	1429
COLP/	ISS_V_3_14_b	TCS_DLE_and _SUB	Connected number (network provided) with connected sub-address – CON	1431
COLP/	ISS_V_3_15_a	TCS_DLE	Connected number (user provided, not verified) – ANM	1432
COLP/	ISS_V_3_15_b	TCS_DLE	Connected number (user provided, not verified) – CON	1434
COLP/	ISS_V_3_16_a	TCS_DLE_and _SUB	Connected number (user provided, not verified) with connected sub-address – ANM	1435
COLP/	ISS_V_3_16_b	TCS_DLE_and _SUB	Connected number (user provided, not verified) with connected sub-address – CON	1437
COLP/	ISS_V_3_17_a	TCS_DLE_and _not_deliver_C OL	COL cannot be transferred (ANM)	1439
COLP/	ISS_V_3_17_b	TCS_DLE_and _not_deliver_C OL	COL cannot be transferred (CON)	1441
COLP/	ISS_V_3_18_a	TCS_DLE	COLP – interaction with MSN (ANS)	1443

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLP/	ISS_V_3_18_b	TCS_DLE	COLP – interaction with MSN (CON)	1445
COLR/	ISS_V_4_1_a	TCS_OLE	Presentation of restricted COL – ANM	1447
COLR/	ISS_V_4_1_b	TCS_OLE	Presentation of restricted COL – CON	1449
COLR/	ISS_I_4_2_a	TCS_OLE	Presentation of restricted COL to "override category" calling user – ANM	1450
COLR/	ISS_I_4_2_b	TCS_OLE	Presentation of restricted COL to "override category" calling user – CON	1452
COLR/	ISS_V_4_3_a	TCS_Transit	Passing on information relating to COLR – ANM	1454
COLR/	ISS_V_4_3_b	TCS_Transit	Passing on information relating to COLR – CON	1456
COLR/	ISS_V_4_3_c	TCS_Transit	Passing on information relating to COLR – ANM	1457
COLR/	ISS_V_4_3_d	TCS_Transit	Passing on information relating to COLR – CON	1459
COLR/	ISS_V_4_4_a	TCS_InclE_and_Disc_ConNb	Discarding the connected number if the presentation is restricted (ANM)	1460
COLR/	ISS_V_4_4_b	TCS_InclE_and_Disc_ConNb	Discarding the connected number if the presentation is restricted (CON)	1462

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLR/	ISS_V_4_5_a	TCS_InclE_and_Disc_addConnNb	Discarding the additional connected number in the generic number if the presentation is restricted (ANM)	1463
COLR/	ISS_V_4_5_b	TCS_InclE_and_Disc_addConnNb	Discarding the additional connected number in the generic number if the presentation is restricted (CON)	1465
COLR/	ISS_I_4_6_a	TCS_InclE_and_ConNb_APR_l2_restr	Resetting the address signals of the connected number, whose release is restricted/forbidden (ANM)	1466
COLR/	ISS_I_4_6_b	TCS_InclE_and_ConNb_APR_l2_restr	Resetting the address signals of the connected number, whose release is restricted/forbidden (CON)	1468
COLR/	ISS_V_4_7_a	TCS_DLE	Restricted connected number (user provided, verified and passed) – ANM	1469
COLR/	ISS_V_4_7_b	TCS_DLE	Restricted connected number (user provided, verified and passed) – CON	1471
COLR/	ISS_V_4_8_a	TCS_DLE_and_SUB	Restricted connected number (user provided, verified and passed) with connected sub-address (ANM)	1472

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
COLR/	ISS_V_4_8_b	TCS_DLE_and _SUB	Restricted connected number (user provided, verified and passed) with connected sub-address (CON)	1474
COLR/	ISS_V_4_9_a	TCS_DLE	Restricted connected number (network provided) – ANM	1476
COLR/	ISS_V_4_9_b	TCS_DLE	Restricted connected number (network provided) – CON	1478
COLR/	ISS_V_4_10_a	TCS_DLE_and _SUB	Restricted connected number (network provided) with connected sub-address – ANM	1479
COLR/	ISS_V_4_10_b	TCS_DLE_and _SUB	Restricted connected number (network provided) with connected sub-address – CON	1481
COLR/	ISS_V_4_11_a	TCS_DLE	Restricted connected number (user provided, not verified) – ANM	1483
COLR/	ISS_V_4_11_b	TCS_DLE	Restricted connected number (user provided, not verified) – CON	1485
COLR/	ISS_V_4_12_a	TCS_DLE_and _SUB	Restricted connected number (user provided, not verified) with connected sub-address – ANM	1487
COLR/	ISS_V_4_12_b	TCS_DLE_and _SUB	Restricted connected number (user provided, not verified) with connected sub-address – CON	1489

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
TP/	ISS_V_5_1	TCS_OLE	Terminal portability, requested by the calling party	1491
TP/	ISS_V_5_2	TCS_OLE	Terminal portability, requested by the called party	1493
TP/	ISS_I_5_3	TCS_LocalE	Terminal portability, requested by local served user, no Resume after Suspend (OLE)	1495
TP/	ISS_V_5_4_a	TCS_LocalE	Terminal portability, release suspended call by the local user (OLE)	1497
TP/	ISS_V_5_4_b	TCS_LocalE	Terminal portability, release suspended call by the remote user (OLE)	1498
TP/	ISS_V_5_5	TCS_IntermE	Terminal portability, requested by the calling party (forward – transit call)	1499
TP/	ISS_V_5_6	TCS_IntermE	Terminal portability, requested by the called party (backward – transit call)	1501
TP/	ISS_V_5_7	TCS_DLE	Terminal portability, requested by the calling party	1503
TP/	ISS_V_5_8	TCS_DLE	Terminal portability, requested by the called party	1505
TP/	ISS_V_5_10	TCS_Local_and_UUS3	Terminal portability, request for UUS3 while call is suspended (DLE)	1507

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
TP/	ISS_V_5_11	TCS_LocalE	Terminal portability, notification from a private to a public network (OLE)	1509
NO_TP/	ISS_I_5_9	TCS_Gateway_and_disc_SU S_RES_NO_T P	Terminal portability, national network does not support the service	1511
UUS/UUS1_I/	ISS_V_6_1_1	TCS_OLE_and _32_UUInf	32 octets user-to-user information	1512
UUS/UUS1_I/	ISS_V_6_1_2_a	TCS_OLE	UUS1 implicit – request	1514
UUS/UUS1_I/	ISS_V_6_1_2_b	TCS_IntermE	UUS1 implicit – request	1516
UUS/UUS1_I/	ISS_I_6_1_3_a	TCS_OLE	UUS1 implicit – discarded with indication received	1518
UUS/UUS1_I/	ISS_I_6_1_3_b	TCS_IntermE	UUS1 implicit – discarded with indication received	1520
UUS/UUS1_I/	ISS_I_6_1_4_a	TCS_OLE	UUS1 implicit – discarded but no indication received	1522
UUS/UUS1_I/	ISS_I_6_1_4_b	TCS_IntermE	UUS1 implicit – discarded but no indication received	1524
UUS/UUS1_I/	ISS_V_6_1_5_a	TCS_DLE	UUS1 implicit – acceptance	1526
UUS/UUS1_I/	ISS_V_6_1_5_b	TCS_IntermE	UUS1 implicit – acceptance	1528
UUS/NO_UUS1_I/	ISS_I_6_1_6_a	TCS_DLE	UUS1 implicit – discard with indication generated	1530
UUS/NO_UUS1_I/	ISS_I_6_1_6_b	TCS_IntermE	UUS1 implicit – discard with indication generated	1532

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS1_E/	ISS_V_6_1_7_a	TCS_OLE	UUS1 explicit non-essential – request	1533
UUS/UUS1_E/	ISS_V_6_1_7_b	TCS_IntermE	UUS1 explicit non-essential – request	1535
UUS/UUS1_E/	ISS_I_6_1_8_a	TCS_OLE	UUS1 explicit non-essential – explicit rejection received	1537
UUS/UUS1_E/	ISS_I_6_1_8_b	TCS_IntermE	UUS1 explicit non-essential – explicit rejection received	1539
UUS/UUS1_E/	ISS_I_6_1_9_a	TCS_OLE	UUS1 explicit non-essential – implicit (no explicit) rejection received	1541
UUS/UUS1_E/	ISS_I_6_1_9_b	TCS_IntermE	UUS1 explicit non-essential – implicit (no explicit) rejection received	1543
UUS/UUS1_E/	ISS_I_6_1_10	TCS_Gateway _and_rej_UUS _E_or_disc_UU Inf	UUS1 explicit non-essential rejection in IntermE	1545
UUS/UUS1_E/	ISS_V_6_1_11_a	TCS_DLE	UUS1 explicit non-essential – acceptance	1547
UUS/UUS1_E/	ISS_V_6_1_11_b	TCS_IntermE	UUS1 explicit non-essential – acceptance	1549
UUS/UUS1_E/	ISS_V_6_1_13_a	TCS_OLE	UUS1 explicit essential – request	1551
UUS/UUS1_E/	ISS_V_6_1_13_b	TCS_IntermE	UUS1 explicit essential – request	1553

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS1_E/	ISS_I_6_1_14_a	TCS_OLE	UUS1 explicit essential – implicit rejection (no explicit acceptance received)	1555
UUS/UUS1_E/	ISS_I_6_1_14_b	TCS_Gateway	UUS1 explicit essential – implicit rejection (no explicit acceptance received)	1557
UUS/UUS1_E/	ISS_V_6_1_15_a	TCS_DLE	UUS1 explicit essential – acceptance	1559
UUS/UUS1_E/	ISS_V_6_1_15_b	TCS_IntermE	UUS1 explicit essential – acceptance	1561
UUS/UUS1_E/	ISS_V_6_1_17a	TCS_Local_and_UUS2_UUS3	UUS1 interaction with UUS2 (or UUS3) – successful request (OLE)	1563
UUS/UUS1_E/	ISS_V_6_1_17b	TCS_Local_and_UUS2_UUS3	UUS1 interaction with UUS2 (or UUS3) – successful request (DLE)	1565
UUS/UUS1_E/	ISS_V_6_1_18	TCS_DLE_and_UUS2_UUS3	UUS1 interaction with UUS2 (or UUS3) – unsuccessful request	1567
UUS/UUS1_E/	ISS_V_6_1_19_a	TCS_Local_and_UUS2_UUS3	UUS1 interaction with UUS2 (or UUS3) – independent acceptance or rejection of the services (OLE)	1569
UUS/UUS1_E/	ISS_V_6_1_19_b	TCS_Local_and_UUS2_UUS3	UUS1 interaction with UUS2 (or UUS3) – independent acceptance or rejection of the services (DLE)	1571

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS1_E/	ISS_V_6_1_20_a	TCS_Local_and_UUS3	UUS1 interaction with UUS3 requested after call set up (OLE)	1573
UUS/UUS1_E/	ISS_V_6_1_20_b	TCS_Local_and_UUS3	UUS1 interaction with UUS3 requested after call set up (DLE)	1575
UUS/UUS1_E/	ISS_V_6_1_21	TCS_Local_and_HOLD	UUS1 interaction with HOLD – to a held party (DLE)	1577
UUS/UUS1_E/	ISS_V_6_1_22	TCS_Local_and_HOLD	UUS1 interaction with HOLD – from a held party (DLE)	1579
UUS/UUS1_E/	ISS_V_6_1_23	TCS_OLE_and_UUS2_UUS3	New UUS1 requested in CCBS recall	1581
UUS/UUS1_E/	ISS_V_6_1_24	TCS_OLE_and_UUS2_UUS3	UUS1 interaction with CCBS	1583
UUS/NO_UUS1_E/	ISS_I_6_1_12_a	TCS_DLE	UUS1 explicit non-essential – implicit (no explicit) rejection sent	1585
UUS/NO_UUS1_E/	ISS_I_6_1_12_b	TCS_IntermE	UUS1 explicit non-essential – implicit (no explicit) rejection sent	1587
UUS/NO_UUS1_E/	ISS_I_6_1_16_a	TCS_DLE	UUS1 explicit essential – rejection	1589
UUS/NO_UUS1_E/	ISS_I_6_1_16_b	TCS_IntermE	UUS1 explicit essential – rejection	1591
UUS/NO_UUS1_E/	ISS_I_6_1_16_c	TCS_IntermE	UUS1 explicit essential – rejection	1593
UUS/UUS2/	ISS_V_6_2_1	TCS_OLE_and_32_UUInf	32 octets user-to-user information	1595
UUS/UUS2/	ISS_V_6_2_2_a	TCS_OLE	UUS2 explicit non-essential – request	1597

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS2/	ISS_V_6_2_2_b	TCS_IntermE	UUS2 explicit non-essential – request	1599
UUS/UUS2/	ISS_V_6_2_3	TCS_DLE	UUS2 explicit non-essential – acceptance	1601
UUS/UUS2/	ISS_V_6_2_6_a	TCS_OLE	UUS2 explicit essential – request	1604
UUS/UUS2/	ISS_V_6_2_6_b	TCS_IntermE	UUS2 explicit essential – request	1606
UUS/UUS2/	ISS_V_6_2_7	TCS_DLE	UUS2 explicit essential – acceptance	1608
UUS/UUS2/	ISS_I_6_2_9_a	TCS_OLE	UUS2 explicit essential – implicit rejection, incoming call	1611
UUS/UUS2/	ISS_I_6_2_9_b	TCS_IntermE	UUS2 explicit essential – implicit rejection, outgoing call	1613
UUS/UUS2/	ISS_V_6_2_10	TCS_OLE	Discard the user-to-user information if more than two messages received during a call set up	1615
UUS/UUS2/	ISS_I_6_2_11	TCS_OLE	Pass on one of the USR received just after ANM	1617
UUS/UUS2/	ISS_I_6_2_13	TCS_DLE_and _deliver_UUInf _after_ANM	Deliver user-to-user information in USR after ANM	1619
UUS/UUS2/	ISS_V_6_2_14a	TCS_Local_and d_UUS1_E_UU S3	UUS2 interaction with UUS1 (or UUS3) – unsuccessful request (DLE)	1621

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS2/	ISS_V_6_2_14b	TCS_Local_and_UUS1_E_UUS3	UUS2 interaction with UUS1 (or UUS3) – unsuccessful request (OLE)	1623
UUS/UUS2/	ISS_V_6_2_15a	TCS_Local_and_UUS1_E_UUS3	UUS2 interaction with UUS1 (or UUS3) – independent acceptance or rejection of the services (OLE)	1625
UUS/UUS2/	ISS_V_6_2_15b	TCS_Local_and_UUS1_E_UUS3	UUS2 interaction with UUS1 (or UUS3) – independent acceptance or rejection of the services (DLE)	1627
UUS/UUS2/	ISS_V_6_2_16a	TCS_Local_and_UUS3	UUS2 interaction with UUS3 requested after call set up (OLE)	1629
UUS/UUS2/	ISS_V_6_2_16b	TCS_Local_and_UUS3	UUS2 interaction with UUS3 requested after call set up (DLE)	1632
UUS/NO_UUS2/	ISS_I_6_2_4	TCS_DLE	UUS2 explicit non-essential – explicit rejection (service not provided)	1635
UUS/NO_UUS2/	ISS_I_6_2_5	TCS_DLE	UUS2 explicit non-essential – implicit rejection (no indication)	1637
UUS/NO_UUS2/	ISS_I_6_2_8_a	TCS_DLE	UUS2 explicit essential – rejection	1639
UUS/NO_UUS2/	ISS_I_6_2_8_b	TCS_IntermE	UUS2 explicit essential – rejection	1641

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/NO_UUS2/	ISS_I_6_2_12	TCS_Gateway _and_rej_UUS _E_or_disc_UU Inf	Rejection in IntermE	1643
UUS/UUS3/	ISS_V_6_3_1	TCS_OLE_and _32_UUInf	32 octets user-to-user information	1645
UUS/UUS3/	ISS_V_6_3_2	TCS_OLE	Rejected of UUS3 after call set up, if rejected at call set up (OLE)	1647
UUS/UUS3/	ISS_V_6_3_3_a	TCS_OLE	UUS3 explicit non-essential – request	1649
UUS/UUS3/	ISS_V_6_3_3_b	TCS_IntermE	UUS3 explicit non-essential – request	1651
UUS/UUS3/	ISS_V_6_3_4a	TCS_DLE	UUS3 explicit non-essential – acceptance	1653
UUS/UUS3/	ISS_V_6_3_4b	TCS_DLE	UUS3 explicit non-essential – acceptance	1656
UUS/UUS3/	ISS_V_6_3_7_a	TCS_OLE	UUS3 explicit essential – request	1659
UUS/UUS3/	ISS_V_6_3_7_b	TCS_IntermE	UUS3 explicit essential – request	1661
UUS/UUS3/	ISS_V_6_3_8a	TCS_DLE	UUS3 explicit essential – acceptance	1663
UUS/UUS3/	ISS_V_6_3_8b	TCS_DLE	UUS3 explicit essential – acceptance	1666
UUS/UUS3/	ISS_V_6_3_10_a	TCS_LocalE	UUS3 explicit non-essential – request during the active phase of the call	1669

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/UUS3/	ISS_V_6_3_10_b	TCS_IntermE	UUS3 explicit non-essential – request during the active phase of the call	1671
UUS/UUS3/	ISS_V_6_3_11	TCS_DLE	UUS3 explicit non-essential – acceptance during call	1673
UUS/UUS3/	ISS_I_6_3_12	TCS_Gateway_and_rej_UUS_E_or_disc_UU Inf	UUS3 explicit non-essential – explicit rejection in the Gateway	1675
UUS/UUS3/	ISS_I_6_3_13	TCS_IntermE	UUS3 explicit non-essential – implicit rejection during call (no indication – FAA or FRJ)	1677
UUS/UUS3/	ISS_I_6_3_14	TCS_IntermE	UUS3 explicit non-essential – explicit rejection during call (service not provided in FRJ)	1679
UUS/UUS3/	ISS_V_6_3_15	TCS_Local_and_UUS1_E_UUS2	UUS3 interaction with UUS1 (or UUS2) – unsuccessful request	1681
UUS/UUS3/	ISS_V_6_3_16	TCS_Local_and_UUS1_E_UUS2	UUS3 interaction with UUS1 (or UUS2) – Independent acceptance or rejection of the services	1682
UUS/UUS3/	ISS_V_6_3_17	TCS_OLE	UUS3 interaction with TP – FAR sent while call is suspended	1683
UUS/NO_UUS3/	ISS_I_6_3_5_a1	TCS_DLE	UUS3 explicit non-essential – implicit rejection (no indication)	1685

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
UUS/NO_UUS3/	ISS_I_6_3_5_a2_nok	TCS_DLE	UUS3 explicit non-essential – implicit rejection (no indication)	1687
UUS/NO_UUS3/	ISS_I_6_3_5_b	TCS_IntermE	UUS3 explicit non-essential – implicit rejection (no indication)	1689
UUS/NO_UUS3/	ISS_I_6_3_6_a	TCS_DLE	UUS3 explicit non-essential – explicit rejection (service not provided)	1691
UUS/NO_UUS3/	ISS_I_6_3_6_b	TCS_IntermE	UUS3 explicit non-essential – explicit rejection (service not provided)	1693
UUS/NO_UUS3/	ISS_I_6_3_9_a	TCS_LocalE	UUS3 explicit essential – rejection (DLE)	1695
UUS/NO_UUS3/	ISS_I_6_3_9_b	TCS_IntermE	UUS3 explicit essential – rejection	1697
CUG/	ISS_V_7_1	TCS_OLE	CUG without outgoing access in IAM	1699
CUG/	ISS_V_7_2	TCS_IntermE	Transfer of information related to CUG	1700
CUG/	ISS_V_7_3	TCS_Gateway_and_convert_CUG	Conversion of the interlock code	1701
CUG/	ISS_V_7_6	TCS_DLE	CUG call without outgoing access; class of called user: CUG , no ICB activated	1703

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CUG/	ISS_V_7_7	TCS_DLE	CUG call with outgoing access; class of called user: CUG , no ICB activated	1704
CUG/	ISS_V_7_8	TCS_DLE	CUG call without outgoing access; class of called user: CUG, ICB activated	1705
CUG/	ISS_V_7_9	TCS_DLE	CUG call with outgoing access; class of called user: CUG without IA, ICB activated	1707
CUG/	ISS_V_7_10	TCS_DLE	CUG call without outgoing access; class of called user: CUG with IA and no ICB activated	1709
CUG/	ISS_V_7_11	TCS_DLE	CUG call with outgoing access; class of called user: CUG with IA and no ICB activated	1710
CUG/	ISS_V_7_12	TCS_DLE	CUG call without outgoing access; class of called user: CUG with IA and ICB activated	1711
CUG/	ISS_V_7_13	TCS_DLE	CUG call with outgoing access; class of called user: CUG with IA and ICB activated	1713
CUG/	ISS_V_7_14	TCS_DLE	CUG call without outgoing access; class of called user: non-CUG	1714
CUG/	ISS_V_7_15	TCS_DLE	CUG call with outgoing access; class of called user: non-CUG	1716

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CUG/	ISS_V_7_16	TCS_DLE	Non-CUG call; class of called user: CUG without IA	1717
CUG/	ISS_V_7_17	TCS_DLE	Non-CUG call; class of called user: CUG with IA	1718
CUG/	ISS_V_7_18	TCS_DLE	CUG call without outgoing access; class of called user: other CUG without IA	1719
CUG/	ISS_V_7_19	TCS_DLE	CUG call with outgoing access; class of called user: other CUG without IA	1721
CUG/	ISS_V_7_20	TCS_DLE	CUG call without outgoing access; class of called user: other CUG with IA	1723
CUG/	ISS_V_7_21	TCS_DLE	CUG call with outgoing access; class of called user: other CUG with IA	1725
CUG/	ISS_I_7_22	TCS_DLE	Non-CUG call with CUG interlock code in IAM	1726
CUG/	ISS_I_7_23	TCS_DLE	CUG call without interlock code in IAM	1727
NO_CUG/	ISS_I_7_4	TCS_InclE_and_reject_call_NO_CUG	CUG call without outgoing access, action at the gateway with network without CUG capability	1728

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
NO_CUG/	ISS_I_7_5	TCS_InclE_and_reject_call_NO_CUG	CUG call with outgoing access, action at the gateway interworking with network without CUG capability	1729
SUB/	ISS_V_8_1	TCS_OLE	Sending the called sub-address in the access transport parameter	1730
SUB/	ISS_V_8_2	TCS_IntermE	Transit support of access transport parameter	1731
SUB/	ISS_V_8_3	TCS_DLE	Receiving the called sub-address in the access transport parameter	1732
SUB/	ISS_I_8_4	TCS_DLE	Receiving the called sub-address if it is not supported at the destination	1733
SUB/	ISS_V_8_5	TCS_IWorkE	Interaction with other networks; no notification is sent back to the OLE	1734
MCID/	ISS_V_9_1	TCS_OLE	Successful MCID request	1735
MCID/	ISS_V_9_2	TCS_OLE	Successful MCID request – after ACM	1736
MCID/	ISS_V_9_3	TCS_OLE_and_MCID_SUB	Successful MCID request with calling sub-address	1738
MCID/	ISS_V_9_5_a	TCS_Transit	MCID information passed transparently (before ACM)	1739
MCID/	ISS_V_9_5_b	TCS_Transit	MCID information passed transparently (after ACM)	1740

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
MCID/	ISS_V_9_6	TCS_OutIE_and_not_Omit_CgPN	MCID information passed and set correctly – outgoing; gateway does not have the CgPN	1741
MCID/	ISS_V_9_8	TCS_InclE	MCID information passed and set correctly – incoming (foreign country code)	1742
MCID/	ISS_I_9_9	TCS_InclE_and_Modify_MCID_resp	MCID request – MCID not supported by the calling party's national network – adding information	1743
MCID/	ISS_V_9_10_a	TCS_DLE	DLE records call details (number information received in IAM)	1744
MCID/	ISS_V_9_10_b	TCS_DLE	DLE records call details (number information received in IRS)	1746
MCID/	ISS_V_9_11	TCS_DLE	DLE requests call details	1748
MCID/	ISS_I_9_12_a	TCS_DLE	No MCID information after MCID request (MCIDRs=0, No CgPN)	1749
MCID/	ISS_I_9_12_b	TCS_DLE	No MCID information after MCID request (MCIDRs=1, No CgPN)	1751
MCID/	ISS_I_9_13	TCS_DLE	MCID timer (T39) expiry	1753
MCID/	ISS_V_9_14	TCS_OLE_and_GenNb	Successful MCID request with additional calling party number	1755
MCID/	ISS_V_9_15_a	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IAM)	1756

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
MCID/	ISS_V_9_15_b	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IAM)	1758
MCID/	ISS_V_9_15_c	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IAM)	1760
MCID/	ISS_V_9_15_d	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IAM)	1762
MCID/	ISS_V_9_15_e	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IRS)	1764
MCID/	ISS_V_9_15_f	TCS_DLE	MCID interaction with DDI and/or MSN (number information received in IRS)	1766
MCID/	ISS_V_9_16	TCS_DLE_and _MCID_reg_C DIV	MCID interaction with diversion services	1768
MCID/	ISS_V_9_17	TCS_OLE	Generation of compatibility information – IRS	1770
MCID/	ISS_V_9_18	TCS_DLE	Generation of compatibility information – IDR	1771
NO_MCID/	ISS_I_9_4	TCS_OLE	MCID request – MCID not supported by the OLE	1772
NO_MCID/	ISS_I_9_7	TCS_OutIE_and d_MCID_not_i ncluded	MCID request – MCID not supported by the calling party's national network	1773

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CONF/	ISS_V_10_1	TCS_Local_and_EC	Requirement related to echo control	1774
CONF/	ISS_V_10_2	TCS_Local_and_user_GenNo_t	Establishing a conference from an active call	1775
CONF/	ISS_V_10_3_a	TCS_Local_and_user_GenNo_t	Adding calls (conferees) to an established conference – 3 conferees	1777
CONF/	ISS_V_10_3_b	TCS_Local_and_user_GenNo_t	Adding calls (conferees) to an established conference – 4 conferees	1780
CONF/	ISS_V_10_4	TCS_Local_and_max_participant	Joining the maximum number of conferees in a conference	1783
CONF/	ISS_V_10_5	TCS_Local_and_user_GenNo_t	Isolation of party	1786
CONF/	ISS_V_10_6	TCS_Local_and_user_GenNo_t	Reattachement of party	1790
CONF/	ISS_V_10_7	TCS_Local_and_user_GenNo_t	Splitting of Party	1794
CONF/	ISS_V_10_8	TCS_Local_and_user_GenNo_t	Disconnection of conferee	1798

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CONF/	ISS_V_10_9	TCS_Local_and_user_GenNot	Disconnection by a conferee	1801
CONF/	ISS_V_10_10	TCS_Local_and_user_GenNot	Termination of conference	1804
CONF/	ISS_I_10_11	TCS_Local_and_user_GenNot	Adding of conferees fails (unsuccessful)	1807
CONF/	ISS_I_10_12	TCS_Local_and_user_GenNot	Isolation, reattachement, splitting, disconnection of a party, conference termination (unsuccessful)	1811
CONF/	ISS_V_10_13_a	TCS_IntermE_and_user_GenNot	Notification procedure supported	1814
CONF/	ISS_V_10_13_b	TCS_DLE_and_user_GenNot	Notification procedure supported	1816
CONF/	ISS_V_10_14	TCS_Local_and_user_GenNot	Interaction with HOLD – held user added to conference	1819
CONF/	ISS_V_10_15	TCS_LocalE	Interaction with HOLD – conference put on hold by conference controller	1822
CONF/	ISS_V_10_16	TCS_LocalE	Interaction with HOLD – conference put on hold by conferee	1825

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_1_a	TCS_Local_and_store_remote_numbers	Capability of storing and sending the additional calling party number in the call transfer number – FAC	1829
ECT/	ISS_V_11_1_b	TCS_Local_and_store_remote_numbers	Capability of storing and sending the additional calling party number in the call transfer number – CPG	1831
ECT/	ISS_V_11_2_a	TCS_Local_and_store_remote_numbers	Capability of storing and sending the calling party number in the call transfer number – FAC	1833
ECT/	ISS_V_11_2_b	TCS_Local_and_store_remote_numbers	Capability of storing and sending the calling party number in the call transfer number – CPG	1835
ECT/	ISS_V_11_3_a	TCS_Local_and_store_remote_numbers	Capability of storing and sending the additional connected number in the call transfer number – FAC	1837
ECT/	ISS_V_11_3_b	TCS_Local_and_store_remote_numbers	Capability of storing and sending the additional connected number in the call transfer number – CPG	1839
ECT/	ISS_V_11_4_a	TCS_Local_and_store_remote_numbers	Capability of storing and sending the connected number number in call transfer number – FAC	1841
ECT/	ISS_V_11_4_b	TCS_Local_and_store_remote_numbers	Capability of storing and sending the connected number number in call transfer number – CPG	1843

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_5	TCS_Local_and_loop_prevention	Loop prevention procedure – initiation	1845
ECT/	ISS_V_11_6	TCS_Local_and_loop_prevention	Loop prevention procedure – successful response	1847
ECT/	ISS_I_11_7	TCS_Local_and_loop_prevention	Loop prevention procedure – wrong call transfer identity ignored	1849
ECT/	ISS_I_11_8	TCS_Local_and_loop_prevention	Loop prevention procedure – unsuccessful (loop exists)	1851
ECT/	ISS_V_11_9	TCS_Local_and_loop_prevention	Loop prevention procedure – unsuccessful (interaction with ECT)	1853
ECT/	ISS_V_11_10	TCS_Local_and_no_CT_LOP_ins_inf	Loop prevention procedure – unsuccessful (interworking situation)	1855
ECT/	ISS_V_11_11	TCS_Local_and_CT_LOP_ins_inf	Loop prevention procedure – successful (interworking situation)	1857
ECT/	ISS_V_11_12	TCS_Local_and_no_CT_TEC_T_expiry	Loop prevention procedure – unsuccessful on timer expiry	1859
ECT/	ISS_V_11_13	TCS_Local_and_CT_TECT_expiry	Loop prevention procedure – successful on timer expiry	1861

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_14_a	TCS_LocalE	FAC with generic notification "call transfer, active" sent to the remote user	1863
ECT/	ISS_V_11_14_b	TCS_LocalE	FAC with generic notification "call transfer, alerting" sent to the remote user	1865
ECT/	ISS_V_11_15	TCS_LocalE	Call progress message with generic notification sent to the remote user	1867
ECT/	ISS_V_11_16	TCS_LocalE	Facility message sent upon receipt of the ANM when the ECT is invoked while one call is alerting	1869
ECT/	ISS_V_11_17	TCS_LocalE	Capability of sending the additional connected number in the call transfer number parameter when the ECT is invoked while one call is alerting	1871
ECT/	ISS_V_11_18	TCS_LocalE	Capability of sending the additional connected number in the call transfer number parameter when the ECT is invoked while one call is alerting	1873
ECT/	ISS_V_11_19	TCS_Interm_and_loop_prevention	Transparent transfer of information of the loop prevention procedure message	1875

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_20_a	TCS_IntermE	Transparent transfer of information in the FAC	1877
ECT/	ISS_V_11_20_b	TCS_IntermE	Transparent transfer of information in the CPG	1879
ECT/	ISS_V_11_21_a	TCS_Gateway_and_omit_CT Nb	Call transfer number – removal of number	1881
ECT/	ISS_V_11_21_b	TCS_Gateway_and_omit_CT Nb	Call transfer number – removal of number	1882
ECT/	ISS_V_11_22_a	TCS_OutIE	Call transfer number – conversion to international number – FAC	1883
ECT/	ISS_V_11_22_b	TCS_OutIE	Call transfer number – conversion to international number – CPG	1884
ECT/	ISS_V_11_23_a	TCS_InclE	Call transfer number – removal of own country code – FAC	1885
ECT/	ISS_V_11_23_b	TCS_InclE	Call transfer number – removal of own country code – CPG	1886
ECT/	ISS_V_11_24	TCS_Local_and_PDDP_and_EC	ECT – interaction with echo control	1887
ECT/	ISS_V_11_25	TCS_IWorkE_and_return_LOP_ins_inf	Loop prevention procedure – Interworking with protocols not supporting loop prevention	1889

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_26_a	TCS_IWorkE	Notification – Interworking with protocols not supporting the notification mechanism or the simple service activation procedure – FAC	1891
ECT/	ISS_V_11_26_b	TCS_IWorkE	Notification – Interworking with protocols not supporting the notification mechanism or the simple service activation procedure – CPG	1893
ECT/	ISS_V_11_27_a	TCS_LocalE	ECT – Interaction with UUS1 – UUInf in ANM discarded	1895
ECT/	ISS_V_11_27_b	TCS_LocalE	ECT – Interaction with UUS1 – UUInf in REL discarded	1897
ECT/	ISS_V_11_28	TCS_LocalE	ECT – Interaction with UUS2	1899
ECT/	ISS_V_11_29	TCS_LocalE	ECT – Interaction with UUS3	1901
ECT/	ISS_V_11_30	TCS_Local_and_simple_serv_act	ECT – Interaction with SUB	1903
ECT/	ISS_V_11_31_a	TCS_LocalE	Parameter compatibility information – call transfer number – FAC	1905
ECT/	ISS_V_11_31_b	TCS_LocalE	Parameter compatibility information – call transfer number – CPG	1907

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ECT/	ISS_V_11_32	TCS_Local_and_loop_prevention	Parameter compatibility information – call transfer reference	1909
ECT/	ISS_V_11_33_a	TCS_LocalE	Parameter compatibility information – generic notification parameter – FAC	1911
ECT/	ISS_V_11_33_b	TCS_LocalE	Parameter compatibility information – generic notification parameter – CPG	1913
ECT/	ISS_V_11_34	TCS_Local_and_loop_prevention	Parameter compatibility information – loop prevention indicators	1915
ECT/	ISS_V_11_35	TCS_Local_and_loop_prevention	Parameter compatibility information – service activation	1917
ECT/	ISS_V_11_36	TCS_LocalE	Message compatibility information – loop prevention message	1919
ECT/	ISS_V_11_37	TCS_LocalE	Message compatibility information – facility message	1921
CDIV/	ISS_V_12_1_a	TCS_OLE	'Call is diverting' received in ACM – network or user (late ACM) determined CFB	1923
CDIV/	ISS_V_12_1_b	TCS_OLE	Call is diverting' received in ACM – CFU	1925

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_1_c	TCS_OLE	'Call is diverting' received in ACM – call deflection immediate response (late ACM)	1927
CDIV/	ISS_V_12_2_a	TCS_OLE	'Call diversion may occur' received in (early ACM) user determined CFB	1929
CDIV/	ISS_V_12_2_b	TCS_OLE	'Call diversion may occur ' received in ACM – CFNR	1931
CDIV/	ISS_V_12_2_c	TCS_OLE	Call diversion may occur received in ACM for call deflection during alerting	1933
CDIV/	ISS_V_12_2_d	TCS_OLE	'Call diversion may occur' received in ACM for call deflection immediate response (early ACM case)	1935
CDIV/	ISS_V_12_3	TCS_OLE	Redirection number – presentation allowed – according to the notification subscription option	1937
CDIV/	ISS_V_12_4_a	TCS_OLE	Redirection number – presentation restricted – according to the notification subscription option (001)	1939
CDIV/	ISS_V_12_4_b	TCS_OLE	Redirection number – presentation restricted – according to the notification subscription option (011)	1941

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_4_c	TCS_OLE	Redirection number – presentation restricted – according to the notification subscription option (000)	1943
CDIV/	ISS_V_12_5	TCS_OLE	Redirection number – presentation restricted – according to redirection number restriction parameter	1945
CDIV/	ISS_I_12_6	TCS_OLE	Redirection number – presentation restricted – no redirection number restriction parameter received	1947
CDIV/	ISS_I_12_7	TCS_OLE	Multiple diversions – redirection number not sent by the last diversion	1949
CDIV/	ISS_I_12_8	TCS_OLE	Multiple diversions – redirection number – presentation according to the most restrictive notification subscription option	1951
CDIV/	ISS_V_12_9_a	TCS_IntermE	Notification procedures for a diverting call – before the diverting exchange – 'Call is diverting in ACM'	1954
CDIV/	ISS_V_12_9_b	TCS_IntermE	Notification procedures for a diverting call – before the diverting exchange – CDmo in ACM	1956

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_10	TCS_IntermE	Notification procedures for a diverting call – after the diverting exchange	1958
CDIV/	ISS_I_12_11_a	TCS_OutIE_and_Omit_OriCdNb	Original called number in the OutIE – discard in case of bilateral agreements	1960
CDIV/	ISS_I_12_11_b	TCS_OutIE	Original called number in the OutIE – discard in case of 'address not available'	1961
CDIV/	ISS_I_12_11_c	TCS_OutIE	Original called number in the OutIE – convert format	1962
CDIV/	ISS_V_12_12_a	TCS_OutIE_and_Omit_RgNb	Redirecting number in the OutIE – discard in case of bilateral agreements	1963
CDIV/	ISS_V_12_12_b	TCS_OutIE	Redirecting number in the OutIE – discard in case of 'address not available'	1964
CDIV/	ISS_V_12_12_c	TCS_OutIE	Redirecting number in the OutIE – convert format	1965
CDIV/	ISS_V_12_13_a	TCS_OutIE	Redirection number in the outgoing international gateway – RnNb conversion	1966
CDIV/	ISS_V_12_13_b	TCS_OutIE	Redirection number in the outgoing international gateway – add a prefix to ConNb	1968

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_14_a	TCS_InclE	Original called number in the incoming international gateway – converting OriCdNb to national format	1970
CDIV/	ISS_V_12_14_b	TCS_InclE	Original called number in the incoming international gateway – Adding a prefix to an international original called number	1971
CDIV/	ISS_V_12_15_a	TCS_InclE	Redirecting number in the incoming international gateway –converting RgNb to national format when same country code is received	1972
CDIV/	ISS_V_12_15_b	TCS_InclE_and_Add_prefix_CgPN	Redirecting number in the incoming international gateway – adding a prefix to an internat. RgNb	1973
CDIV/	ISS_V_12_15_c	TCS_InclE	Redirecting number in the incoming international gateway – RgNb received as 'address not available'	1974
CDIV/	ISS_V_12_16_a	TCS_InclE_and_Omit_RnNb	Redirection number in the incoming international gateway – Discard RnNb in case of bilateral agreem.	1975

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_16_b	TCS_InclE	Redirection number in the incoming international gateway – RnNb conversion	1977
CDIV/	ISS_V_12_17	TCS_InclE_and_Omit_RnNb	Redirection number restriction parameter in the incoming international gateway.	1979
CDIV/	ISS_V_12_18	TCS_DLE	Completion of diverted call by the diverted-to exchange	1981
CDIV/	ISS_V_12_19	TCS_DLE	Setting of redirection number restriction parameter at the diverted-to exchange (pres. allowed)	1982
CDIV/	ISS_V_12_20	TCS_DLE	Setting the redirection number restriction indicator at the diverted-to exchange (pres. restricted)	1984
CDIV/	ISS_V_12_21	TCS_DLE	Setting the redirection counter in the diverting exchange – first diversion	1986
CDIV/	ISS_V_12_22	TCS_DLE_and_max5div	Setting of redirection counter in the diverting exchange – multiple local diversions	1987
CDIV/	ISS_V_12_23	TCS_DLE_and_max5div	Updating of redirection counter in the diverting exchange	1988
CDIV/	ISS_V_12_24	TCS_DLE	Original called number generated by the diverting exchange	1989

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_25	TCS_DLE	Redirecting number generated by the diverting exchange	1990
CDIV/	ISS_V_12_26_a	TCS_DLE	ISDN user part preference indicator in the diverting exchange – stimulus ISUP not required all the way	1991
CDIV/	ISS_V_12_26_b	TCS_DLE	ISDN user part preference indicator in the diverting exchange – stimulus ISUP preferred all the way	1992
CDIV/	ISS_V_12_26_c	TCS_DLE	ISDN user part preference indicator in the diverting exchange – stimulus ISUP required all the way	1993
CDIV/	ISS_V_12_27	TCS_DLE	Call diversion may occur in the diverting exchange	1994
CDIV/	ISS_V_12_28_a	TCS_DLE_and _CFNR_timer	Served user answers the call before TCFNR expiry – no diversion	1996
CDIV/	ISS_V_12_28_b	TCS_DLE_and _CFNR_timer	Served user does not answer the call before TCFNR expiry – Timer TCFNR expiry	1997
CDIV/	ISS_V_12_29	TCS_DLE_and _option_B	Immediate through-connection in the diverting exchange	1999
CDIV/	ISS_V_12_30	TCS_DLE_and _option_A	Through-connection backwards upon alerting and forwards upon answer in the diverting exchange	2000

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_31	TCS_DLE_and_option_A	Served user answers before receipt of alerting indication from diverted-to exchange	2002
CDIV/	ISS_V_12_32	TCS_DLE_and_option_A	Unsuccessful call setup to the diverted-to user, ringing tone applied by the diverting exchange	2004
CDIV/	ISS_V_12_33	TCS_DLE_and_option_B	Unsuccessful call setup to the diverted-to user, call released by the diverting exchange	2006
CDIV/	ISS_V_12_34	TCS_DLE_and_option_A	Notification procedures in the diverting exchange– collecting information for the backward direction	2007
CDIV/	ISS_V_12_35	TCS_DLE_and_option_B	Notification procedures in the diverting exchange – passing on information in the backward direction	2009
CDIV/	ISS_V_12_36	TCS_DLE_and_option_A	Mapping of CON to ANM in the diverting exchange – option A	2011
CDIV/	ISS_V_12_37	TCS_DLE_and_option_B	Mapping of CON to ANM in the diverting exchange – option B	2012
CDIV/	ISS_V_12_38	TCS_DLE	Timer T7 expiry in the diverting exchange	2014
CDIV/	ISS_V_12_39	TCS_DLE	Timer T9 expiry in the diverting exchange	2016

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_40_a	TCS_DLE_and _max5div_and _opt_B	Call clearing in the diverting exchange – redirection counter set to maximum value	2018
CDIV/	ISS_V_12_40_b	TCS_DLE_and _max5div_and _opt_B	Call clearing in the diverting exchange – redirection counter set to maximum value	2019
CDIV/	ISS_V_12_40_c	TCS_DLE_and _max5div_and _opt_B	Call clearing in the diverting exchange – redirection counter set to maximum value	2020
CDIV/	ISS_V_12_40_d	TCS_DLE_and _max5div_and _opt_B	Call clearing in the diverting exchange – redirection counter set to maximum value	2021
CDIV/	ISS_V_12_40_e	TCS_DLE_and _max5div_and _opt_B	Call clearing in the diverting exchange – redirection counter set to maximum value	2022
CDIV/	ISS_V_12_41_a	TCS_DLE_and _max5div_and _opt_A	Continue providing ringing tone in the diverting exchange – redirection counter set to maximum value	2023
CDIV/	ISS_V_12_41_b	TCS_DLE_and _max5div_and _opt_A	Continue providing ringing tone in the diverting exchange – redirection counter set to maximum value	2025
CDIV/	ISS_V_12_42	TCS_DLE_and _PDDP	Interactions with the propagation delay dermination procedure	2027

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CDIV/	ISS_V_12_43_a	TCS_DLE_and_COLP	Call diversion – interaction with COLP – ConNb and addConNb in GenNb (ANM)	2029
CDIV/	ISS_V_12_43_b	TCS_DLE_and_COLP	Call diversion – interaction with COLP – ConNb and addConNb in GenNb (CON)	2031
CDIV/	ISS_V_12_44	TCS_DLE_and_CLIP	Call diversion – interaction with CLIP	2033
CDIV/	ISS_V_12_45	TCS_DLE_and_CUG	Call diversion – interaction with CUG – CUG call not diverted	2034
CDIV/	ISS_V_12_46	TCS_DLE_and_CUG	Call diversion – interaction with CUG – CUG call diverted	2035
CDIV/	ISS_V_12_47	TCS_DLE_and_SUB	Call diversion – interaction with SUB – old called party sub-address not diverted	2036
CDIV/	ISS_V_12_48	TCS_DLE_and_SUB	Call diversion – interaction with SUB – new called party sub-address included	2038
CDIV/	ISS_V_12_49_a	TCS_IWorkE	Call diversion – interworking with other networks	2040
CDIV/	ISS_V_12_49_b	TCS_IWorkE	Call diversion – interworking with other networks	2042
CDIV/	ISS_V_12_49_c	TCS_IWorkE	Call diversion – interworking with other networks	2044
HOLD/	ISS_V_13_1	TCS_LocalE	Call hold after answer, requested by the local user (DLE)	2046

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
HOLD/	ISS_V_13_2	TCS_LocalE	Call hold after answer, requested by the remote user (DLE)	2048
HOLD/	ISS_V_13_3	TCS_OLE_and_HOLD_after_alert	Call hold after alerting, requested by the originating user	2050
HOLD/	ISS_V_13_4	TCS_OLE_and_HOLD_after_alert	Call hold after alerting, expiry of T9 while the call is on hold	2052
HOLD/	ISS_V_13_5	TCS_OLE_and_HOLD_after_all_inf	Call hold after IAM, local user requests HOLD for outgoing call	2054
HOLD/	ISS_V_13_6_a	TCS_IntermE	Call hold after answer (transit call) – held by calling user	2056
HOLD/	ISS_V_13_6_b	TCS_IntermE	Call hold after answer (transit call) – held by called user	2058
HOLD/	ISS_V_13_7_a	TCS_IntermE	Call hold after alerting (transit call) – held by calling party	2060
HOLD/	ISS_V_13_7_b	TCS_IntermE	Call hold after alerting (transit call) – held by called party	2062
HOLD/	ISS_V_13_8	TCS_IWorkE_and_HOLD_with_inband	Call hold after answer, interworking with PSTN	2064
HOLD/	ISS_V_13_9	TCS_LocalE	Call hold after answer, release of the call by the local served user (DLE)	2066

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
HOLD/	ISS_V_13_10	TCS_LocalE	Call hold after answer, release of the call by the non-served user (DLE)	2068
HOLD/	ISS_V_13_11	TCS_LocalE	Call hold after alerting, release of the call by the local served user (DLE)	2070
HOLD/	ISS_V_13_12	TCS_DLE	Call hold after alerting, requested by the remote user	2072
CW/	ISS_V_14_1	TCS_OLE	Call waiting indication in ACM	2074
CW/	ISS_V_14_2	TCS_OLE	Call waiting indication in CPG	2075
CW/	ISS_V_14_3	TCS_IntermE	Call waiting indication in ACM (transit)	2077
CW/	ISS_V_14_4	TCS_IntermE	Call Waiting indication in CPG (transit)	2078
CW/	ISS_V_14_5	TCS_DLE	Call waiting indication in ACM or CPG	2079
CW/	ISS_V_14_6	TCS_DLE	Call waiting without notification	2082
CW/	ISS_V_14_7	TCS_DLE	Call waiting rejected, indication in ACM or CPG	2085
CW/	ISS_V_14_8	TCS_DLE	Call waiting ignored (expiry of call waiting supervision timer)	2088
CCBS/ISUP/	ISS_V_15_1	TCS_OLE	ISUP Preference Indicator in the CCBS call	2091
CCBS/ISUP/	ISS_V_15_2	TCS_OLE	CCSS parameter in the CCBS call	2093

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCBS/ISUP/	ISS_V_15_3	TCS_OLE	CCBS call with retained basic call information	2095
CCBS/ISUP/	ISS_V_15_4	TCS_OLE_and _CCBS_CgPN	CCBS call with retained call information & interactions with other supplementary services	2097
CCBS/ISUP/	ISS_V_15_5	TCS_IntermE	Transit support of diagnostic field in REL	2099
CCBS/ISUP/	ISS_V_15_6	TCS_IntermE	Transit support of CCSS parameter in IAM	2100
CCBS/ISUP/	ISS_V_15_7	TCS_DLE	CCBS possible to destination B	2101
CCBS/ISUP/	ISS_V_15_8	TCS_DLE	CCSS parameter in the CCBS call	2103
CCBS/ISUP/	ISS_V_15_9	TCS_DLE	CCBS not possible to destination B	2105
CCBS/ISUP/	ISS_V_15_10_NOK	TCS_LocalE	Parameter compatibility information – CCBS (OLE)	2107
CCBS/ISUP/	ISS_V_15_10	TCS_DLE_and _retain_option	Destination busy upon arrival of CCBS call –Interaction with CFB and retention option supported	2109
CCBS/ISUP/	ISS_V_15_11	TCS_DLE_and _not_retain_op tion	Destination busy upon arrival of CCBS call – Interaction with CFB and no retention option supported	2111
CCBS/ISUP/	ISS_V_15_12	TCS_DLE_and _CCBS_and_C FB	CCBS call as a normal call – Interaction with CFB	2113

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCBS/ISUP/	ISS_V_15_13	TCS_DLE_and _max5CCBS_e ntries	Maximum number of CCBS request queue entries of destination B	2114
CCBS/ISUP/	ISS_V_15_14	TCS_DLE	Incoming non-CCBS call with identical service requirements released	2117
CCBS/ISUP/	ISS_V_15_15	TCS_DLE	Incoming non-CCBS call with not identical service requirements accepted.	2120
CCBS/ASE/	ISS_TC_V_15_1	TCS_OLE	Ability to perform a CCBS REQUEST class 1 operation – successful	2122
CCBS/ASE/	ISS_TC_I_15_2	TCS_OLE	Ability to perform a CCBS REQUEST class 1 operation – unsuccessful	2124
CCBS/ASE/	ISS_TC_V_15_3	TCS_OLE	Ability to perform a CCBS CANCEL class 4 operation	2126
CCBS/ASE/	ISS_TC_V_15_4	TCS_OLE	Ability to indicate a CCBS recall to the calling user	2128
CCBS/ASE/	ISS_TC_I_15_5	TCS_OLE	Calling user busy when destination B becomes free	2130
CCBS/ASE/	ISS_TC_V_15_6_a	TCS_Local_and d_retain_optio n	Support of the retain option (OLE)	2133
CCBS/ASE/	ISS_TC_V_15_6_b	TCS_Local_and d_retain_optio n	Support of the retain option (DLE)	2135

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCBS/ASE/	ISS_TC_V_15_7	TCS_OLE_and _max5CCBS_r equest	Maximum number of outstanding CCBS requests of a user	2137
CCBS/ASE/	ISS_TC_I_15_8	TCS_DLE_and _max5CCBS_e ntries	Maximum number of queue entries CCBS requests	2139
CCBS/ASE/	ISS_TC_V_15_9	TCS_LocalE	Ability to end a dialogue (DLE)	2143
CCBS/ASE/	ISS_TC_V_15_10	TCS_OLE_and _no_diagnostic _REL	Initiate the CCBS supplementary service even if no diagnostic is received in the release message	2145
CCBS/ASE/	ISS_TC_V_15_11	TCS_OLE	Support of the retention timer CCBS-T1	2147
CCBS/ASE/	ISS_TC_V_15_12	TCS_OLE	Support of the CCBS request operation timer CCBS-T2	2149
CCBS/ASE/	ISS_TC_I_15_13	TCS_OLE	Support the service duration timer CCBS-T3	2151
CCBS/ASE/	ISS_TC_I_15_14	TCS_OLE	Support of the CCBS recall timer CCBS-T4	2153
CCBS/ASE/	ISS_TC_I_15_15	TCS_OLE_and _no_2nd_act_ CCBS	Reject a second identical activation of CCBS	2155
CCBS/ASE/	ISS_TC_I_15_16	TCS_OLE_and _2nd_act_CCB S	Treat a second identical activation of CCBS as a new request	2157
CCBS/ASE/	ISS_TC_I_15_17	TCS_DLE	Support of the CCBS service supervision timer CCBS-T7	2159

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCBS/ASE/	ISS_TC_I_15_18	TCS_DLE	Support of the destination B idle guard timer CCBS-T8	2161
CCBS/ASE/	ISS_TC_I_15_19	TCS_DLE	Support of the recall timer CCBS-T9	2164
CCBS/ASE/	ISS_TC_I_15_20	TCS_Local_and_TSUP	Support of the interworking supervision timer TSUP (DLE)	2166
CCBS/ASE/	ISS_TC_I_15_21	TCS_OLE	CCBS REQUEST not invoked	2168
THREE_PTY/	ISS_V_16_1	TCS_LocalE	Served user initiates 3PTY	2169
THREE_PTY/	ISS_V_16_2_a	TCS_LocalE	Served user creates a private communication with the remote user from UNI at SPC	2171
THREE_PTY/	ISS_V_16_2_b	TCS_LocalE	Served user creates a private communication with the remote user from UNI at SPB	2174
THREE_PTY/	ISS_V_16_3_a	TCS_LocalE	Served user disconnects the remote user from UNI at SPC and retains the other (at SPB)	2177
THREE_PTY/	ISS_V_16_3_b	TCS_LocalE	Served user disconnects the remote user from UNI at SPB and retains the other (at SPC)	2180
THREE_PTY/	ISS_V_16_4_a	TCS_LocalE	Served user disconnects both remote users and terminates the call (user C released first)	2183
THREE_PTY/	ISS_V_16_4_b	TCS_LocalE	Served user disconnects both remote users and terminates the call (user B released first)	2186

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
THREE_PTY/	ISS_V_16_5_a	TCS_LocalE	Remote user at SPC disconnects 3PTY call	2189
THREE_PTY/	ISS_V_16_5_b	TCS_LocalE	Remote user at SPB disconnects 3PTY call	2192
THREE_PTY/	ISS_V_16_6_a	TCS_IntermE	Transit support of 3PTY (forward direction);	2195
THREE_PTY/	ISS_V_16_6_b	TCS_IntermE	Transit support of 3PTY (backward direction);	2197
THREE_PTY/	ISS_V_16_7	TCS_DLE	Remote user included in 3PTY	2199
THREE_PTY/	ISS_V_16_8	TCS_LocalE	Served user initiates 3PTY; interaction with HOLD	2202
THREE_PTY/	ISS_V_16_9	TCS_IWorE	3PTY; interaction with other networks	2204
CCNR/ISUP/	ISS_V_17_1_1	TCS_OLE	ISUP Preference Indicator in the CCNR call	2206
CCNR/ISUP/	ISS_V_17_1_2	TCS_DLE	IUT includes in the IAM the CCNR call indicator	2208
CCNR/ISUP/	ISS_V_17_1_3	TCS_DLE	IUT includes the retained call information in the IAM	2210
CCNR/ISUP/	ISS_V_17_1_4	TCS_DLE	IUT includes the retained call information in the IAM	2212
CCNR/ISUP/	ISS_V_17_1_5	TCS_DLE	Pass the CCNR Possible Indicator parameter	2214
CCNR/ISUP/	ISS_V_17_1_6	TCS_DLE	Pass CCSS parameter	2216
CCNR/ISUP/	ISS_V_17_1_7	TCS_DLE	CCNR possible to destination B	2217

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCNR/ISUP/	ISS_V_17_1_8	TCS_DLE	Terminate a CCNR call with the CCNR call indicator	2219
CCNR/ISUP/	ISS_V_17_1_9	TCS_DLE	CCNR not possible to destination B	2221
CCNR/ISUP/	ISS_V_17_1_10	TCS_DLE_and _CCBS_and_C FB	CCNR call as a normal call – Interaction with CFB	2223
CCNR/ISUP/	ISS_V_17_1_11	TCS_DLE_and _max5CCBS_e ntries	Maximum number of CCSS request queue entries of destination B	2224
CCNR/ISUP/	ISS_V_17_1_12	TCS_DLE	Incoming CCNR call with identical service requirements released	2227
CCNR/ISUP/	ISS_V_17_1_13	TCS_DLE	Incoming non-CCNR call with not identical service requirements accepted.	2230
CCNR/ASE/	ISS_TC_V_17_2_1	TCS_OLE	Ability to perform a CCNR REQUEST class 1 operation – successful	2233
CCNR/ASE/	ISS_TC_V_17_2_2	TCS_OLE	Ability to perform a CCNR REQUEST class 1 operation – unsuccessful	2235
CCNR/ASE/	ISS_TC_V_17_2_3	TCS_OLE	Ability to perform a CCNR CANCEL class 4 operation	2237
CCNR/ASE/	ISS_TC_V_17_2_4	TCS_OLE	Ability to indicate a CCNR recall to the calling user	2239

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCNR/ASE/	ISS_TC_V_17_2_5	TCS_OLE	Calling user busy when destination B becomes free	2241
CCNR/ASE/	ISS_TC_V_17_2_6	TCS_Local_and d_retain_optio n	Support of the retain option (OLE)	2244
CCNR/ASE/	ISS_TC_V_17_2_7	TCS_OLE_and _max5CCBS_r equest	Maximum number of outstanding CCNR requests of a user	2247
CCNR/ASE/	ISS_TC_V_17_2_8	TCS_DLE_and _max5CCBS_e ntries	Maximum number of queue entries CCNR requests	2250
CCNR/ASE/	ISS_TC_V_17_2_9	TCS_LocalE	Ability to end a dialogue (DLE)	2253
CCNR/ASE/	ISS_TC_V_17_2_10	TCS_OLE	Initiate the CCNR supplementary service even if no diagnostic is received in the release message	2255
CCNR/ASE/	ISS_TC_V_17_2_11	TCS_OLE	Support of the retention timer CCBS-T1	2258
CCNR/ASE/	ISS_TC_V_17_2_12	TCS_OLE	Support of the CCNR request operation timer CCBS-T2	2260
CCNR/ASE/	ISS_TC_V_17_2_13	TCS_OLE	Support the service duration timer CCBS-T3	2262
CCNR/ASE/	ISS_TC_V_17_2_14	TCS_OLE	Support of the CCBS recall timer CCBS-T4	2264
CCNR/ASE/	ISS_TC_V_17_2_15	TCS_OLE	Reject a second identical activation of CCNR	2266

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
CCNR/ASE/	ISS_TC_V_17_2_16	TCS_OLE	Treat a second identical activation of CCNR as a new request	2268
CCNR/ASE/	ISS_TC_V_17_2_17	TCS_DLE	Support of the CCNR service supervision timer CCBS-T7	2271
CCNR/ASE/	ISS_TC_V_17_2_18	TCS_DLE	Support of the destination B idle guard timer CCBS-T8	2273
CCNR/ASE/	ISS_TC_V_17_2_19	TCS_DLE	Support of the recall timer CCBS-T9	2276
CCNR/ASE/	ISS_TC_V_17_2_20	TCS_Local_and_TSUP	Support of the interworking supervision timer TSUP (DLE)	2278
CCNR/ASE/	ISS_TC_V_17_2_21	TCS_OLE	CCNR REQUEST not invoked	2280
Detailed Comments :				

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Common_steps/	Check_B_channel_release	Check that the current B channel is released at the Left side	2282
Common_steps/	Leave_No_B_channel	Leaves no free B-channels on the access side	2283
Common_steps/	Check_circuit_idle	Checks that the cic on the AB link is idle	2284
Common_steps/	Check_circuit_idle_I_PTC	Check that the currently used circuit is again idle	2285
Common_steps/	Check_circuit_idle_A_PTC	Check that the currently used circuit is again idle (access)	2286
Common_steps/	Check_communication	Check if it is possible to communicate over the assigned circuit	2287
Common_steps/	Check_communication_I_PTC	Check if it is possible to communicate over the assigned circuit	2288
Common_steps/	Check_communication_A_PTC	Check if it is possible to communicate over the assigned circuit (access)	2288
Common_steps/	Check_conf_communication_BA	Check communication pattern flow between user from UNI at SPB to user from UNI at SPC – MTC	2289
Common_steps/	Check_conf_communication_AC	Check communication pattern flow between user from UNI at SPB to user from UNI at SPC – PTC	2290
Common_steps/	Check_ringing_tone_AB	Check if a ringing tone can be heard at SP B	2291
Common_steps/	Check_ringing_tone_BA	Check if a ringing tone can be heard at SP C	2292
Common_steps/	Check_ringing_tone_AC	Check if a ringing tone can be heard at SP C	2292
Common_steps/	Check_ringing_tone_AC_A_PTC	Check if a ringing tone can be heard at SP C (access)	2293
Common_steps/	Check_ringing_tone_CA	Check if a ringing tone can be heard at SP B	2293
Common_steps/	Check_ringing_tone_CA_A_PTC	Check if a ringing tone can be heard at SP B (access)	2294
Common_steps/	Check_MCID_Recordings	Communicate the tester what should be observed	2294

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Common_steps/	Send_coordination	Send a coordination message to the left side	2295
Common_steps/	Send_coordination_access	Send a coordination message to the left side (access)	2295
Common_steps/	Wait_T_WAIT	Waits for a period of time (T_WAIT seconds)	2296
Common_steps/	S_ACM_etc_BA	Continue by sending ACM towards IUT, etc.	2296
Common_steps/	R_ACM_etc_AB	Continue by receiving ACM from IUT, etc.	2297
Common_steps/	S_ACM_etc_CA	Continue by sending ACM towards IUT, etc.	2297
Common_steps/	R_ACM_etc_AC	Continue by receiving ACM by SPC from IUT, etc.	2298
Common_steps/	S_ANM_etc_BA	Continue by sending ANM towards IUT, etc.	2298
Common_steps/	R_ANM_etc_AB	Continue by receiving ANM from IUT, etc.	2299
Common_steps/	S_ANM_etc_CA	Continue by sending ANM towards IUT, etc.	2299
Common_steps/	R_ANM_etc_AC	Continue by receiving ANM from IUT, etc.	2300
Common_steps/	S_REL_etc_BA	Continue by sending ANM towards IUT, etc.	2300
Common_steps/	R_REL_etc_AB	Continue by receiving ANM from IUT, etc.	2301
Common_steps/	S_REL_etc_CA	Continue by sending REL towards IUT, etc.	2302
Common_steps/	R_REL_etc_AC	Continue by receiving REL from IUT, etc.	2303
Common_steps/	S_ALERT_etc_CA	Continue by sending ALERT towards the IUT, etc.	2303
Common_steps/	R_ALERT_etc_AC	Continue by receiving ALERT from IUT, etc.	2304
Common_steps/	S_CONNECT_etc_CA	Continue by sending CONNECT towards the IUT, etc.	2304
Common_steps/	S_CONNECT_with_CN_CA	Continue by sending CONNECT towards the IUT, etc.	2305
Common_steps/	R_CONNECT_etc_AC	Continue by receiving CONNECT from IUT, etc.	2306
Common_steps/	S_DISC_etc_CA	Continue by sending DISC towards IUT, etc.	2306

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Common_steps/	R_DISC_etc_AC	Continue by receiving DISC from IUT, etc.	2307
DSS1_access_steps/	DSS1_Preamble		2308
DSS1_access_steps/	Access_setup		2310
DSS1_access_steps/	A_access_CCBS_Activation_AB	Activate CCBS from access (DSS1) side	2311
DSS1_access_steps/	A_access_CCBS_Invocation_AB	Invoke CCBS from access (DSS1) side	2312
DSS1_access_steps/	A_access_CCBS_ACT_NOT_REL_BA	Assist CCBS invocation and activation from access side	2313
DSS1_access_steps/	A_access_CCBS_ACT_INV_BA	Assist CCBS invocation and activation from access side	2315
Generic/	Preamble	Starts the timer T_GUARD	2317
Generic/	SS_r_setup_0	Assists a call set up on the access side	2317
Generic/	A_r_setup_0	Assists a call set up on the access side	2318
Generic/	SS_s_setup_0		2319
Generic/	A_s_setup_0	Initiates a call set up from the access side	2319
Generic/	G_initiate_setup	Initiates an ISUP call set up	2320
Generic/	I_initiate_setup	Initiates an ISUP call set up	2320
Generic/	G_assist_setup	Assists an ISUP call set up	2321
Generic/	I_assist_setup	Assists an ISUP call set up	2322
Generic/	G_A_no_setup	No call is set up on the access side	2323
Generic/	A_no_setup	No call is set up on the access side	2323
Generic/	G_T_no_setup	No call is set up on the non-ISUP signalling interface (CA)	2324

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Generic/	T_no_setup	No call is set up on the non-ISUP signalling interface (CA)	2324
Generic/	G_Release_call	Release the established call	2325
Generic/	G_Verdict_I_PTC	Gets the verdict from the ISUP PTC for final verdict computation	2325
Generic/	G_Verdict_A_PTC	Gets the verdict from the access PTC for final verdict computation	2326
Generic/	G_Verdict_T_PTC	Gets the verdict from the NON-ISUP PTC for final verdict computation	2326
Generic/	M_coordinate	Coordinates holding the 1st call with initiation of the 2nd	2327
Generic/	M_assist_setup	Assist call set up for the 1st call, initiate call set up for the 2nd	2327
Generic/	A_assist_setup_1		2328
Generic/	A_initiate_setup_2		2329
Generic/	M_assist_setup_alert	Assist call set up for the 1st call, initiate call set up for the 2nd, initiate ECT before answering 2nd call	2330
Generic/	A_assist_setup_alert_1	Assist call set up for the 1st call, initiate call set up for the 2nd, initiate ECT before answering 2nd call	2331
Generic/	A_initiate_setup_alert_2		2332
Generic/	M_assist_setup_alert_UUS1	Assist call set up for the 1st call, initiate call set up for the 2nd – with UUS1 request, initiate ECT before answering 2nd call	2333
Generic/	A_assist_setup_alert_UUS1		2334

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Generic/	A_initiate_setup_alert_UU S1		2335
Generic/	M_assist_setup_alert_UU S2	Assist call set up for the 1st call, initiate call set up for the 2nd, initiate ECT before answering 2nd call	2336
Generic/	A_assist_setup_alert_UUS 2		2337
Generic/	A_initiate_setup_alert_UU S2		2338
Generic/	M_assist_setup_alert_UU S3	Assist call set up for the 1st call, initiate call set up for the 2nd, initiate ECT before answering 2nd call	2339
Generic/	A_assist_setup_alert_UUS 3		2340
Generic/	A_initiate_setup_alert_UU S3	Assist call set up for the 1st call, initiate call set up for the 2nd, initiate ECT before answering 2nd call	2341
Generic/	M_initiate_setup	Initiate call setup for two calls, initiate ECT after the 2nd call is answered	2342
Generic/	A_initiate_setup_1_1	Initiate call setup for two calls, initiate ECT after the 2nd call is answered	2343
Generic/	A_initiate_setup_2_1		2344
Generic/	M_initiate_setup_alert	Initiate call setup for two calls, initiate ECT before the 2nd call is answered	2345
Generic/	A_initiate_setup_alert_1_1		2346
Generic/	A_initiate_setup_alert_2_1		2347
Generic/	Active_call_AB	Set up a call from SPA to SPB	2348

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Generic/	Active_call_BA	Set up a call from SPB to SPA	2349
Generic/	Active_call_AC	Set up a call from SPA to SPC	2349
Generic/	I_call_AC	Set up a call from SPA to SPC	2350
Generic/	Active_call_PSTN	Set up a call to a PSTN subscriber: left tester	2351
S_CLIP/	SS_1_1		2351
S_CLIP/	A_1_1	Initiates a call set up from the acces side	2352
S_CLIP/	SS_1_2		2352
S_CLIP/	A_1_2	Initiates a call set up from the acces side	2353
S_CLIP/	SS_1_3		2353
S_CLIP/	A_1_3	Initiates a call set up from the acces side	2354
S_CLIP/	SS_1_4		2354
S_CLIP/	A_1_4	Initiates a call set up from the acces side	2355
S_CLIP/	SS_1_5		2355
S_CLIP/	A_1_5	Initiates a call set up from the acces side	2356
S_CLIP/	SS_1_6		2356
S_CLIP/	A_1_6	Initiates a call set up from the acces side	2357
S_CLIP/	SS_1_7_a	Provide CgPN and GenNb to be passed on	2357
S_CLIP/	I_1_7_a	Provide CgPN to be passed on	2358
S_CLIP/	SS_1_7_b	Provide CgPN and GenNb to be passed on	2358
S_CLIP/	I_1_7_b	Provide CgPN and GenNb to be passed on	2359
S_CLIP/	SS_1_8	Provide CgPN to be discarded	2359
S_CLIP/	I_1_8	Provide CgPN to be discarded	2360
S_CLIP/	SS_1_9	Provide CgPN and add. CgPN in GenNb to be discarded	2360

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CLIP/	I_1_9	Provide CgPN and add. CgPN in GenNb to be discarded	2361
S_CLIP/	SS_1_10	Provide a 'address not available' CgPN to be discarded	2361
S_CLIP/	I_1_10	Provide a 'address not available' CgPN to be discarded	2362
S_CLIP/	SS_1_11	Provide an add.CgPN in the GenNb to be discarded	2362
S_CLIP/	I_1_11	Provide an add.CgPN in the GenNb to be discarded	2363
S_CLIP/	SS_1_12	Provide a national (significant) CgPN	2363
S_CLIP/	I_1_12	Provide a national (significant) CgPN	2364
S_CLIP/	SS_1_13	Provide a CgPN and an add.CgPN in the GenNb, both national (significant) numbers	2364
S_CLIP/	I_1_13	Provide a CgPN and an add.CgPN in the GenNb, both national (significant) numbers	2365
S_CLIP/	SS_1_14	Provide a CgPN with NII (number incomplete indicator) set to 'address incomplete'.	2366
S_CLIP/	I_1_14	Provide a CgPN with NII (number incomplete indicator) set to 'address incomplete'.	2366
S_CLIP/	SS_1_15	Provide an international CgPN with same country code as incoming network	2367
S_CLIP/	I_1_15	Provide an international CgPN with same country code as incoming network	2367
S_CLIP/	SS_1_16	Provide an international GenNb with same country code as incoming network	2368
S_CLIP/	I_1_16	Provide an international GenNb with same country code as incoming network	2369
S_CLIP/	SS_1_17	Provide an international CgPN with a different country code than the incoming network (foreign CC)	2370

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CLIP/	I_1_17	Provide an international CgPN with a different country code than the incoming network (foreign CC)	2371
S_CLIP/	SS_1_18	Provide an 'address not available' CgPN	2372
S_CLIP/	I_1_18	Provide an 'address not available' CgPN	2372
S_CLIP/	SS_1_19	Provide a CgPN and an add.CgPN in a GenNb	2373
S_CLIP/	I_1_19	Provide a CgPN and an add.CgPN in a GenNb	2373
S_CLIR/	SS_2_1		2374
S_CLIR/	SS_2_2		2374
S_CLIR/	SS_2_3		2375
S_CLIR/	SS_2_4		2375
S_CLIR/	SS_2_5		2376
S_CLIR/	SS_2_6		2376
S_CLIR/	SS_2_7_a	Provide CgPN to be passed on	2377
S_CLIR/	I_2_7_a	Provide CgPN to be passed on	2377
S_CLIR/	SS_2_7_b	Provide CgPN and GenNb to be passed on	2378
S_CLIR/	I_2_7_b	Provide CgPN and GenNb to be passed on	2378
S_CLIR/	SS_2_8	Provide restricted CgPN to be discarded	2379
S_CLIR/	I_2_8	Provide restricted CgPN to be discarded	2379
S_CLIR/	SS_2_9	Provide restricted CgPN and add.CgPN in GenNb to be discarded	2380
S_CLIR/	I_2_9	Provide restricted CgPN and add.CgPN in GenNb to be discarded	2380
S_CLIR/	SS_2_10	Assists a call set up on the access side	2381
S_CLIR/	A_2_10	Assists a call set up on the access side	2381

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CLIR/	SS_2_11	Assists a call set up on the access side	2382
S_COLP/	SS_3_1		2382
S_COLP/	A_3_1	Initiates a call set up from the acces side	2383
S_COLP/	SS_3_2_a	Provide COLP request to be passed on	2383
S_COLP/	I_3_2_a	Provide COLP request to be passed on	2384
S_COLP/	SS_3_2_b	Provide ConNb to be passed on	2385
S_COLP/	I_3_2_b	Provide ConNb to be passed on	2386
S_COLP/	SS_3_2_c	Provide ConNb to be passed on	2387
S_COLP/	I_3_2_c	Provide ConNb to be passed on	2388
S_COLP/	SS_3_3_a	Initiate a call set up. Receive the converted connected number.	2389
S_COLP/	I_3_3_a	Initiate a call set up. Receive the converted connected number.	2390
S_COLP/	SS_3_3_b	Receive ConNb to be passed on	2391
S_COLP/	I_3_3_b	Receive ConNb to be passed on	2392
S_COLP/	SS_3_4_a	Initiate a call set up and check ConNb and add.ConNb in GenNb (ANM)	2393
S_COLP/	I_3_4_a	Initiate a call set up and check ConNb and add.ConNb in GenNb (ANM)	2394
S_COLP/	SS_3_4_b	Initiate a call set up and check ConNb and add.ConNb in GenNb (CON)	2395
S_COLP/	I_3_4_b	Initiate a call set up and check ConNb and add.ConNb in GenNb (CON)	2396
S_COLP/	SS_3_5_a	Receive an international ConNb with a prefix	2397

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_COLP/	I_3_5_a	Receive an international ConNb with a prefix	2398
S_COLP/	SS_3_5_b	Receive an international ConNb with a prefix	2399
S_COLP/	I_3_5_b	Receive an international ConNb with a prefix	2400
S_COLP/	SS_3_6_a	ConNb is discarded (ANM)	2401
S_COLP/	I_3_6_a	ConNb is discarded (ANM)	2402
S_COLP/	SS_3_6_b	ConNb is discarded (CON)	2403
S_COLP/	I_3_6_b	ConNb is discarded (CON)	2403
S_COLP/	SS_3_7_a	Both ConNb and add.ConNb in the GenNb are omitted (ANM)	2404
S_COLP/	I_3_7_a	Both ConNb and add.ConNb in the GenNb are omitted (ANM)	2405
S_COLP/	SS_3_7_b	Both ConNb and add.ConNb in the GenNb are omitted (CON)	2406
S_COLP/	I_3_7_b	Both ConNb and add.ConNb in the GenNb are omitted (CON)	2406
S_COLP/	SS_3_8_a	Checks the resetting the address signals of the connected number	2407
S_COLP/	I_3_8_a	Checks the resetting the address signals of the connected number	2408
S_COLP/	SS_3_8_b	Checks the resetting the address signals of the connected number	2409
S_COLP/	I_3_8_b	Checks the resetting the address signals of the connected number	2410
S_COLP/	SS_3_9_a	Ckecks international ConNb (ANM)	2411
S_COLP/	I_3_9_a	Ckecks international ConNb (ANM)	2412

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_COLP/	SS_3_9_b	Checks international ConNb (CON)	2413
S_COLP/	I_3_9_b	Checks international ConNb (CON)	2414
S_COLP/	SS_3_10b	Initiates a call set up from the acces side	2415
S_COLP/	A_3_10b	Initiates a call set up from the acces side	2415
S_COLP/	SS_3_10_c	Provide unsolicited ConNb	2416
S_COLP/	I_3_10_c	Provide unsolicited ConNb	2417
S_COLP/	SS_3_10_d	Provide unsolicited ConNb	2418
S_COLP/	I_3_10_d	Provide unsolicited ConNb	2418
S_COLP/	SS_3_11a	Assists a call set up on the access side	2419
S_COLP/	A_3_11a	Assists a call set up on the access side	2420
S_COLP/	SS_3_11b	Assists a call set up on the access side	2421
S_COLP/	A_3_11b	Assists a call set up on the access side	2421
S_COLP/	SS_3_12a	Assists a call set up on the access side	2422
S_COLP/	A_3_12a	Assists a call set up on the access side	2423
S_COLP/	SS_3_12b	Assists a call set up on the access side	2424
S_COLP/	A_3_12b	Assists a call set up on the access side	2424
S_COLP/	SS_3_13a	Assists a call set up on the access side	2425
S_COLP/	A_3_13a	Assists a call set up on the access side	2426
S_COLP/	SS_3_13b	Assists a call set up on the access side	2427
S_COLP/	A_3_13b	Assists a call set up on the access side	2427
S_COLP/	SS_3_14a	Assists a call set up on the access side	2428
S_COLP/	A_3_14a	Assists a call set up on the access side	2429
S_COLP/	SS_3_14b	Assists a call set up on the access side	2430

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_COLP/	A_3_14b	Assists a call set up on the access side	2430
S_COLP/	SS_3_15a	Assists a call set up on the access side	2431
S_COLP/	SS_3_15b	Assists a call set up on the access side	2431
S_COLP/	SS_3_16a	Assists a call set up on the access side	2432
S_COLP/	SS_3_16b	Assists a call set up on the access side	2432
S_COLP/	SS_3_17a	Assists a call set up on the access side	2433
S_COLP/	A_3_17a	Assists a call set up on the access side	2434
S_COLP/	SS_3_17b	Assists a call set up on the access side	2435
S_COLP/	A_3_17b	Assists a call set up on the access side	2435
S_COLP/	SS_3_18a	Assists a call set up on the access side	2436
S_COLP/	A_3_18a	Assists a call set up on the access side	2437
S_COLP/	SS_3_18b	Assists a call set up on the access side	2438
S_COLP/	A_3_18b	Assists a call set up on the access side	2438
S_COLR/	SS_4_1a		2439
S_COLR/	A_4_1a	Initiates a call set up from the acces side	2440
S_COLR/	SS_4_1b		2441
S_COLR/	A_4_1b	Initiates a call set up from the acces side	2441
S_COLR/	SS_4_2a		2442
S_COLR/	A_4_2a	Initiates a call set up from the acces side	2443
S_COLR/	SS_4_2b		2444
S_COLR/	A_4_2b	Initiates a call set up from the acces side	2444
S_COLR/	SS_4_3_a	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2445

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_COLR/	I_4_3_a	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2446
S_COLR/	SS_4_3_b	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2447
S_COLR/	I_4_3_b	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2448
S_COLR/	SS_4_3_c	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2449
S_COLR/	I_4_3_c	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2450
S_COLR/	SS_4_3_d	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2451
S_COLR/	I_4_3_d	Provide restricted ConNb and add.ConNb in GenNb to be passed on	2452
S_COLR/	SS_4_4_a	Check that the ConNb has been discarded (ANM)	2453
S_COLR/	I_4_4_a	Check that the ConNb has been discarded (ANM)	2454
S_COLR/	SS_4_4_b	Check that the ConNb has been discarded (CON)	2455
S_COLR/	I_4_4_b	Check that the ConNb has been discarded (CON)	2455
S_COLR/	SS_4_5_a	Check that the restricted ConNb and restricted add.ConNb have been discarded (ANM)	2456
S_COLR/	I_4_5_a	Check that the restricted ConNb and restricted add.ConNb have been discarded (ANM)	2457
S_COLR/	SS_4_5_b	Check that the restricted ConNb and restricted add.ConNb have been discarded (CON)	2458

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_COLR/	I_4_5_b	Check that the restricted ConNb and restricted add.ConNb have been discarded (CON)	2458
S_COLR/	SS_4_6_a	Checks whether ConNb is reset (ANM)	2459
S_COLR/	I_4_6_a	Checks whether ConNb is reset (ANM)	2460
S_COLR/	SS_4_6_b	Checks whether ConNb is reset (CON)	2461
S_COLR/	I_4_6_b	Checks whether ConNb is reset (CON)	2462
S_COLR/	SS_4_7a	Assists a call set up on the access side	2463
S_COLR/	A_4_7a	Assists a call set up on the access side	2464
S_COLR/	SS_4_7b	Assists a call set up on the access side	2465
S_COLR/	A_4_7b	Assists a call set up on the access side	2465
S_COLR/	SS_4_8a	Assists a call set up on the access side	2466
S_COLR/	SS_4_8b	Assists a call set up on the access side	2466
S_COLR/	SS_4_9a	Assists a call set up on the access side	2467
S_COLR/	SS_4_9b	Assists a call set up on the access side	2467
S_COLR/	SS_4_10a	Assists a call set up on the access side	2468
S_COLR/	SS_4_10b	Assists a call set up on the access side	2468
S_TP/	SS_5_1	Initiate an ISDN speech call, initiate suspend/resume	2469
S_TP/	A_5_1	Initiate an ISDN speech call, initiate suspend/resume	2470
S_TP/	SS_5_2	Initiate an ISDN speech call, assist suspend/resume	2471
S_TP/	A_5_2	Initiate an ISDN speech call, assist suspend/resume	2472
S_TP/	SS_5_3	Initiate an ISDN speech call, send suspend	2473
S_TP/	A_5_3	Initiate an ISDN speech call, send suspend	2474
S_TP/	SS_5_4_a	Initiate an ISDN speech call and suspend it	2475

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_TP/	A_5_4_a	Initiate an ISDN speech call and suspend it	2476
S_TP/	SS_5_4_b	Initiate an ISDN speech call, suspend and release it	2477
S_TP/	A_5_4_b	Initiate an ISDN speech call, suspend and release it	2478
S_TP/	SS_5_5	Initiate an ISDN speech call and suspend it	2479
S_TP/	I_5_5	Initiate an ISDN speech call and suspend it	2480
S_TP/	SS_5_6	Assist an ISDN speech call, suspend and resume it	2481
S_TP/	I_5_6	Assist an ISDN speech call, suspend and resume it	2482
S_TP/	SS_5_7	Assist an ISDN speech call, suspend and resume it	2483
S_TP/	A_5_7	Assist an ISDN speech call, suspend and resume it	2484
S_TP/	SS_5_8	Assist an ISDN speech call, suspend and resume it	2485
S_TP/	A_5_8	Assist an ISDN speech call, suspend and resume it	2486
S_TP/	SS_5_9	Assist an ISDN speech call, suspend and resume it	2487
S_TP/	I_5_9	Assist an ISDN speech call, suspend and resume it	2488
S_TP/	SS_5_10	UUS3 request while the call is suspended	2489
S_TP/	A_5_10	UUS3 request while the call is suspended	2490
S_TP/	SS_5_11	Initiate an ISDN speech call, suspend and resume it	2491
S_TP/	A_5_11	Initiate an ISDN speech call, suspend and resume it	2492
S_UUS1/	SS_6_1_1		2493
S_UUS1/	A_6_1_1	Initiates a call set up from the acces side	2494
S_UUS1/	SS_6_1_2a		2495
S_UUS1/	SS_6_1_2_b	Initiate an ISDN call with UUInf	2495
S_UUS1/	I_6_1_2_b	Initiate an ISDN call with UUInf	2496
S_UUS1/	SS_6_1_3a		2497

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS1/	A_6_1_3a	Initiates a call set up from the acces side	2498
S_UUS1/	SS_6_1_3_b	Initiate an ISDN call with UUInf and receive 'discarded' notification	2499
S_UUS1/	I_6_1_3_b	Initiate an ISDN call with UUInf and receive 'discarded' notification	2500
S_UUS1/	SS_6_1_4a		2501
S_UUS1/	SS_6_1_4_b	Initiate an ISDN call with UUInf, receive no notification	2501
S_UUS1/	I_6_1_4_b	Initiate an ISDN call with UUInf, receive no notification	2502
S_UUS1/	SS_6_1_5a		2503
S_UUS1/	A_6_1_5a	Assists a call set up on the access side with UUInf	2504
S_UUS1/	SS_6_1_5_b	Assist an ISDN call with UUInf, send UUInf	2505
S_UUS1/	I_6_1_5_b	Assist an ISDN call with UUInf, send UUInf	2506
S_UUS1/	SS_6_1_6_b	Assist an ISDN call with UUInf, send UUInf	2507
S_UUS1/	I_6_1_6_b	Assist an ISDN call with UUInf, send UUInf	2508
S_UUS1/	SS_6_1_7a		2509
S_UUS1/	A_6_1_7a	Initiates a call set up from the acces side	2510
S_UUS1/	SS_6_1_7_b	Initiate an ISDN call with UUInf and UUInd	2511
S_UUS1/	I_6_1_7_b	Initiate an ISDN call with UUInf and UUInd	2512
S_UUS1/	SS_6_1_8a		2513
S_UUS1/	A_6_1_8a	Initiates a call set up from the acces side	2514
S_UUS1/	SS_6_1_8_b	Initiate an ISDN call with UUInf and UUInd, service 1 not provided	2515
S_UUS1/	I_6_1_8_b	Initiate an ISDN call with UUInf and UUInd, service 1 not provided	2516

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS1/	SS_6_1_9a		2517
S_UUS1/	SS_6_1_9_b	Initiate an ISDN call with UUInf and UUInd, no information on service 1	2517
S_UUS1/	I_6_1_9_b	Initiate an ISDN call with UUInf and UUInd, no information on service 1	2518
S_UUS1/	SS_6_1_10	Initiate an ISDN call with UUInf and UUInd, receive CFN	2519
S_UUS1/	I_6_1_10	Initiate an ISDN call with UUInf and UUInd, receive CFN	2520
S_UUS1/	SS_6_1_11a		2521
S_UUS1/	A_6_1_11a	Assists a call set up on the access side	2522
S_UUS1/	SS_6_1_11_b	Assist an ISDN call with UUInf and UUInd, service 1 provided	2523
S_UUS1/	I_6_1_11_b	Assist an ISDN call with UUInf and UUInd, service 1 provided	2524
S_UUS1/	SS_6_1_12a		2525
S_UUS1/	A_6_1_12a	Assists a call set up on the access side	2526
S_UUS1/	SS_6_1_12_b	Assist an ISDN call with UUInf and UUInd, with non essential service 1 request	2527
S_UUS1/	I_6_1_12_b	Assist an ISDN call with UUInf and UUInd, with non essential service 1 request	2528
S_UUS1/	SS_6_1_13a		2529
S_UUS1/	A_6_1_13a	Initiates a call set up from the acces side	2530
S_UUS1/	SS_6_1_13_b	Initiate an ISDN call with UUInf and UUInd, with essential service 1 request	2531
S_UUS1/	I_6_1_13_b	Initiate an ISDN call with UUInf and UUInd, with essential service 1 request	2532

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS1/	SS_6_1_14a		2533
S_UUS1/	A_6_1_14a	Initiates a call set up from the acces side	2534
S_UUS1/	SS_6_1_14_b	Initiate an ISDN call with essential service 1 request, no information from B-side	2535
S_UUS1/	I_6_1_14_b	Initiate an ISDN call with essential service 1 request, no information from B-side	2536
S_UUS1/	SS_6_1_15a		2537
S_UUS1/	A_6_1_15a	Assists a call set up on the access side	2538
S_UUS1/	SS_6_1_15_b	Assist an ISDN call with essential service 1 request, service provided	2539
S_UUS1/	I_6_1_15_b	Assist an ISDN call with essential service 1 request, service provided	2540
S_UUS1/	SS_6_1_16_a	Reject UUS service 1	2541
S_UUS1/	A_6_1_16_a	Reject UUS service 1	2542
S_UUS1/	SS_6_1_16_b	Reject UUS service 1, cause #29	2543
S_UUS1/	I_6_1_16_b	Reject UUS service 1, cause #29	2544
S_UUS1/	SS_6_1_16_c	Reject UUS service 1, cause #69	2545
S_UUS1/	I_6_1_16_c	Reject UUS service 1, cause #69	2546
S_UUS1/	SS_6_1_17a	Initiate a call set up with UUS1, UUS2 and UUS3 service and UUInf after Alert	2547
S_UUS1/	A_6_1_17a	Initiate a call set up with UUS service 2 and UUInf after Connect	2548
S_UUS1/	SS_6_1_17b	Initiate a call set up with UUS1, UUS2 and UUS3 service and UUInf after Connect	2549

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS1/	A_6_1_17b	Request UUS service 1, 2 and 3; all provided	2550
S_UUS1/	SS_6_1_18	Reject UUS service 2 and 3	2551
S_UUS1/	A_6_1_18	Reject UUS service 2 and 3	2552
S_UUS1/	SS_6_1_19a	Initiates a call set up from the acces side with UUInf and UUInd	2553
S_UUS1/	A_6_1_19a	Initiates a call set up from the acces side with UUInf and UUInd	2554
S_UUS1/	SS_6_1_19b	Initiates a call set up from the acces side with UUInf and UUInd	2555
S_UUS1/	A_6_1_19b	Initiates a call set up from the acces side with UUInf and UUInd	2556
S_UUS1/	SS_6_1_20a	Initiates a call set up from the acces side with UUInf and request for UUS service 3 after connect	2557
S_UUS1/	A_6_1_20a	Initiates a call set up from the acces side with UUInf and request for UUS service 3 after connect	2558
S_UUS1/	SS_6_1_20b	Assits a call set up from the acces side with UUS service 1 and 3.	2559
S_UUS1/	A_6_1_20b	Assits a call set up from the acces side with UUS service 1 and 3.	2560
S_UUS1/	SS_6_1_21	Assist a call set up, hold the call and release it with UUInf	2561
S_UUS1/	A_6_1_21	Assist a call set up, hold the call and release it with UUInf	2562
S_UUS1/	SS_6_1_22	Assist a call set up, hold the call and check UUInf while call is released	2563

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS1/	A_6_1_22	Assist a call set up, hold the call and check UUInf while call is released	2564
S_UUS1/	SS_6_1_23	Set up a call, activate CCBS request and CCBS recall	2565
S_UUS1/	A_6_1_23	Set up a call, activate CCBS request and CCBS recall	2566
S_UUS1/	SS_6_1_24	Set up a call, activate CCBS request and CCBS recall	2567
S_UUS1/	A_6_1_24	Set up a call, activate CCBS request and CCBS recall	2568
S_UUS2/	SS_6_2_1		2569
S_UUS2/	A_6_2_1	Initiates a call set up from the acces side	2570
S_UUS2/	SS_6_2_2a		2571
S_UUS2/	A_6_2_2a	Initiates a call set up from the acces side	2572
S_UUS2/	SS_6_2_2_b	Request non essential UUS service 2; provided	2573
S_UUS2/	I_6_2_2_b	Request non essential UUS service 2; provided	2574
S_UUS2/	SS_6_2_3		2575
S_UUS2/	A_6_2_3	Assists a call set up on the access side	2576
S_UUS2/	SS_6_2_4		2577
S_UUS2/	A_6_2_4	Assists a call set up on the access side	2578
S_UUS2/	SS_6_2_5		2579
S_UUS2/	SS_6_2_6a		2579
S_UUS2/	A_6_2_6a	Initiates a call set up from the acces side	2580
S_UUS2/	SS_6_2_6_b	Request essential UUS service 2; provided	2581
S_UUS2/	I_6_2_6_b	Request essential UUS service 2; provided	2582
S_UUS2/	SS_6_2_7		2583
S_UUS2/	A_6_2_7	Assists a call set up on the access side	2584

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS2/	SS_6_2_8_a	UUS service 2 explicit essential – rejection	2585
S_UUS2/	A_6_2_8_a	UUS service 2 explicit essential – rejection	2586
S_UUS2/	SS_6_2_8_b	UUS service 2 explicit essential – rejection	2587
S_UUS2/	I_6_2_8_b	UUS service 2 explicit essential – rejection	2588
S_UUS2/	SS_6_2_9_a	Initiates a call set up on the access side with UUS service 2 request	2589
S_UUS2/	A_6_2_9_a	Initiates a call set up on the access side with UUS service 2 request	2590
S_UUS2/	SS_6_2_9_b	Assists a call set up on the access side with UUS service 2 request	2591
S_UUS2/	I_6_2_9_b	Sets up a call with UUS service 2 request	2591
S_UUS2/	SS_6_2_10	Initiate a call set up with UUS service 2 and send more than 2 UUInf	2592
S_UUS2/	A_6_2_10	Initiate a call set up with UUS service 2 and send more than 2 UUInf	2593
S_UUS2/	SS_6_2_11	Initiate a call set up with UUS service 2 and UUInf after Connect	2594
S_UUS2/	A_6_2_11	Initiate a call set up with UUS service 2 and UUInf after Connect	2595
S_UUS2/	SS_6_2_12	Assist a call set up with UUS service 2, not supported	2596
S_UUS2/	I_6_2_12	Assist a call set up with UUS service 2, not supported	2597
S_UUS2/	SS_6_2_13	Assists a call set up on the access side with UUS service 2 request	2598
S_UUS2/	A_6_2_13	Assists a call set up on the access side with UUS service 2 request	2599

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS2/	SS_6_2_14a	Request UUS service 1, 2 and 3; rejected	2600
S_UUS2/	A_6_2_14a	Request UUS service 1, 2 and 3; rejected	2601
S_UUS2/	SS_6_2_14b	Request UUS service 1, 2 and 3; rejected	2602
S_UUS2/	A_6_2_14b	Request UUS service 1, 2 and 3; rejected	2603
S_UUS2/	SS_6_2_15a	Initiate a call set up with UUS service 2 and UUInf after Connect	2604
S_UUS2/	A_6_2_15a	Initiate a call set up with UUS service 2 and UUInf after Connect	2605
S_UUS2/	SS_6_2_15b	Request UUS service 1, 2 and 3; all provided	2606
S_UUS2/	A_6_2_15b	Request UUS service 1, 2 and 3; all provided	2607
S_UUS2/	SS_6_2_16a	Initiate a call set up with UUS service 2 and UUInf after Connect	2608
S_UUS2/	A_6_2_16a	Initiate a call set up with UUS service 2 and UUInf after Connect	2609
S_UUS2/	SS_6_2_16b	Request UUS service 1, 2 and 3;	2611
S_UUS2/	A_6_2_16b	Request UUS service 1, 2 and 3;	2612
S_UUS3/	SS_6_3_1		2613
S_UUS3/	A_6_3_1	Initiates a call set up from the acces side	2614
S_UUS3/	SS_6_3_2		2615
S_UUS3/	A_6_3_2	Initiates a call set up from the acces side	2616
S_UUS3/	SS_6_3_2_b	Request non essential UUS service 3; not provided	2617
S_UUS3/	A_6_3_2_b	Request non essential UUS service 3; not provided	2618
S_UUS3/	SS_6_3_3a		2619
S_UUS3/	A_6_3_3a	Initiates a call set up from the acces side	2620

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS3/	SS_6_3_4a	Assists a call set up on the access side with UUS service 2 request	2621
S_UUS3/	A_6_3_4a	Assists a call set up on the access side with UUS service 2 request	2622
S_UUS3/	SS_6_3_4b	Assists a call set up on the access side with UUS service 2 request	2623
S_UUS3/	A_6_3_4b	Assists a call set up on the access side with UUS service 2 request	2624
S_UUS3/	SS_6_3_3_b	Request non essential UUS service 3; provided	2625
S_UUS3/	I_6_3_3_b	Request non essential UUS service 3; provided	2626
S_UUS3/	SS_6_3_5a1	Assists a call set up on the access side with UUS service 2 request	2627
S_UUS3/	A_6_3_5a1	Assists a call set up on the access side with UUS service 2 request	2628
S_UUS3/	SS_6_3_5a2	Assists a call set up on the access side with UUS service 2 request	2629
S_UUS3/	A_6_3_5a2	Assists a call set up on the access side with UUS service 2 request	2630
S_UUS3/	SS_6_3_5_b	UUS service 3 is requested non essential, not provided by called user	2631
S_UUS3/	I_6_3_5_b	UUS service 3 is requested non essential, not provided by called user	2632
S_UUS3/	SS_6_3_6a1	Assists a call set up on the access side with UUS service 2 request	2633
S_UUS3/	SS_6_3_6a2	Assists a call set up on the access side with UUS service 2 request	2633

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS3/	SS_6_3_6_b	UUS service 3 is requested non essential, not provided by called user	2634
S_UUS3/	I_6_3_6_b	UUS service 3 is requested non essential, not provided by called user	2635
S_UUS3/	SS_6_3_7a		2636
S_UUS3/	A_6_3_7a	Initiates a call set up from the acces side	2637
S_UUS3/	SS_6_3_7_b	UUS service 3 is requested essential; provided	2638
S_UUS3/	I_6_3_7_b	UUS service 3 is requested essential; provided	2639
S_UUS3/	SS_6_3_8a		2640
S_UUS3/	A_6_3_8a	Assists a call set up on the access side	2641
S_UUS3/	SS_6_3_8b		2642
S_UUS3/	A_6_3_8b	Assists a call set up on the access side	2643
S_UUS3/	SS_6_3_9_a	Assist a call set up with UUS service 3 request, rejected	2644
S_UUS3/	A_6_3_9_a	Assist a call set up with UUS service 3 request, rejected	2645
S_UUS3/	SS_6_3_9_b	Assist a call set up with UUS service 3 request, rejected	2646
S_UUS3/	I_6_3_9_b	Assist a call set up with UUS service 3 request, rejected	2647
S_UUS3/	SS_6_3_10a		2648
S_UUS3/	A_6_3_10a	Initiates a call set up from the acces side	2649
S_UUS3/	SS_6_3_10_b	Request UUS service 3 non essential during the active phase; not provided	2650
S_UUS3/	I_6_3_10_b	Request UUS service 3 non essential during the active phase; not provided	2651
S_UUS3/	SS_6_3_11	Assists a call set up on the access side with UUS service 2 request	2652

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_UUS3/	A_6_3_11	Assists a call set up on the access side with UUS service 3request	2653
S_UUS3/	SS_6_3_12	UUS service 3, rejected	2654
S_UUS3/	I_6_3_12	UUS service 3, rejected	2655
S_UUS3/	SS_6_3_13	UUS3 explicit non-essential – implicit rejection during call (no indication – FAA or FRJ)	2656
S_UUS3/	I_6_3_13	UUS3 discard FAA or FRJ – no indication	2657
S_UUS3/	SS_6_3_14	UUS3 explicit non-essential – explicit rejection during call (service not provided in FRJ)	2658
S_UUS3/	I_6_3_14	UUS3 discard FAA or FRJ – no indication	2659
S_UUS3/	SS_6_3_17	UUS service 3 is requested as non essential while a call is suspended	2660
S_UUS3/	A_6_3_17	UUS service 3 is requested as non essential while a call is suspended	2661
S_CUG/	SS_7_1		2662
S_CUG/	A_7_1	Initiates a call set up from the access side	2663
S_CUG/	SS_7_2	Initiate a CUG call without outgoing access, specifying a CUGIC	2663
S_CUG/	I_7_2	Initiate a CUG call without outgoing access, specifying a CUGIC	2664
S_CUG/	SS_7_3	Initiate a CUG call without outgoing access, specifying a CUGIC	2665
S_CUG/	I_7_3	Initiate a CUG call without outgoing access, specifying a CUGIC	2666

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CUG/	SS_7_4	Initiate a CUG call without outgoing access, specifying a CUGIC	2667
S_CUG/	I_7_4	Initiate a CUG call without outgoing access, specifying a CUGIC	2668
S_CUG/	SS_7_5	Initiate a CUG call with outgoing access allowed, specifying a CUGIC	2669
S_CUG/	I_7_5	Initiate a CUG call with outgoing access allowed, specifying a CUGIC	2669
S_SUB/	SS_8_1		2670
S_SUB/	A_8_1	Initiates a call set up from the acces side	2670
S_SUB/	SS_8_2	Provide ATP with subaddress to be passed on	2671
S_SUB/	I_8_2	Provide ATP with subaddress to be passed on	2671
S_SUB/	SS_8_5	Normal call setup for Interworking signalling system that does not support SUB-addressing	2672
S_SUB/	A_8_5	Normal call setup for Interworking signalling system that does not support SUB-addressing	2673
S_MCID/	SS_9_5_a	Provide a CgPN in IRS (MCID request before ACM)	2674
S_MCID/	I_9_5_a	Provide a CgPN in IRS (MCID request before ACM)	2674
S_MCID/	SS_9_5_b	Provide a CgPN in IRS (MCID request after ACM)	2675
S_MCID/	I_9_5_b	Provide a CgPN in IRS (MCID request after ACM)	2676
S_MCID/	SS_9_6	Provide a national (significant) CgPN in IRS	2677
S_MCID/	I_9_6	Provide a national (significant) CgPN in IRS	2678
S_MCID/	SS_9_8	Provide an international (significant) CgPN in IRS (foreign country code)	2679

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_MCID/	I_9_8	Provide an international (significant) CgPN in IRS (foreign country code)	2680
S_MCID/	SS_9_9	Provide an IRS with 'MCID not included'	2681
S_MCID/	I_9_9	Provide an IRS with 'MCID not included'	2682
S_MCID/	SS_9_13	Assists a call set up on the access side	2683
S_MCID/	A_9_13	Assists a call set up on the access side	2683
S_CONF/	SS_10_1		2684
S_CONF/	A_10_1		2684
S_CONF/	A_assist_setup	Assist 1st call set up, initiate 2nd call set up and begin conference	2685
S_CONF/	A_assist_end	Assist 1st call set up, initiate 2nd call set up and begin conference	2686
S_CONF/	A_initiate	Assist 1st call set up, initiate 2nd call set up and begin conference	2687
S_CONF/	I_setup	Initiates a cal set up	2688
S_CONF/	I_end	Initiates a cal set up	2689
S_CONF/	A_assist_setup_1_10_3_a	Assist 1st call set up, initiate 2nd call set up, begin conference and add a party	2690
S_CONF/	A_assist_facility	Assist 1st call set up, initiate 2nd call set up, begin conference and add a party	2691
S_CONF/	A_initiate_setup_2_10_3_a	Assist 1st call set up, initiate 2nd call set up, begin conference and add a party	2692
S_CONF/	A_initiate_end	Assist 1st call set up, initiate 2nd call set up, begin conference and add a party	2693
S_CONF/	I_10_3_a		2693

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CONF/	I_end_second		2694
S_CONF/	A_assist_setup_second	Assist 1st call set up, initiate 2nd call set up, begin conference and add two parties	2695
S_CONF/	A_initiate_setup_2_10_3_b	Assist 1st call set up, initiate 2nd call set up, begin conference and add two parties	2696
S_CONF/	I_setup_second	Initiates a cal set up	2698
S_CONF/	A_assist_new_conf	Assist 1st call set up, initiate 2nd call set up, begin conference and add max. number of parties	2699
S_CONF/	I_10_4_1	Initiates a call set up	2700
S_CONF/	I_10_4_2		2701
S_CONF/	A_assist_setup_1_10_5_6	Assist 1st call set up, initiate 2nd call set up, begin conference, add two parties, isolate and reattach	2702
S_CONF/	A_initiate_isolate	Assist isolate and reattach	2704
S_CONF/	I_10_5_6		2705
S_CONF/	A_initiate_setup_2_10_7	Assist 1st call set up, initiate 2nd call set up, begin conference, add two parties and split	2706
S_CONF/	I_10_7	Initiates a cal set up	2707
S_CONF/	A_initiate_drop		2708
S_CONF/	I_10_8_9	Initiates a cal set up	2708
S_CONF/	A_initiate_pty_disc		2709
S_CONF/	M_access_10_11	Assist 1st call set up, initiate 2nd call set up, begin conference and add maximum number of parties + 1	2709
S_CONF/	A_assist_try_new_conf		2710

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CONF/	A_assist_setup_1_10_11	Assist 1st call set up, initiate 2nd call set up, begin conference and add maximum number of parties + 1	2711
S_CONF/	A_initiate_setup_2_10_11	Assist 1st call set up, initiate 2nd call set up, begin conference and add maximum number of parties + 1	2714
S_CONF/	SS_10_11	Initiates a cal set up	2715
S_CONF/	I_10_11		2716
S_CONF/	A_assist_wait_disc		2717
S_CONF/	A_initiate_reattach		2717
S_CONF/	SS_10_12	Initiates a cal set up	2718
S_CONF/	I_10_12	Initiates a cal set up	2719
S_CONF/	SS_10_13_a	Initiates a cal set up	2721
S_CONF/	I_10_13_a	Initiates a cal set up	2722
S_CONF/	SS_10_13_b	Assits a call set up from the acces side and checks if the notification procedure is supported.	2723
S_CONF/	A_10_13_b	Assits a call set up from the acces side and checks if the notification procedure is supported.	2724
S_CONF/	A_initiate_hold_retrieve		2725
S_CONF/	A_initiate_wait_hold_retrieve		2726
S_ECT/	SS_11_1_a	Sets up a call from SPC to SPA, with addCgPN	2726
S_ECT/	I_11_1_a	Sets up a call from SPC to SPA, with addCgPN	2727
S_ECT/	SS_11_1_b	Sets up a call from SPC to SPA, with addCgPN	2728
S_ECT/	I_11_1_b	Sets up a call from SPC to SPA, with addCgPN	2729
S_ECT/	SS_11_2_a	Sets up a call from SPC to SPA, with CgPN	2730

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_ECT/	I_11_2_a	Sets up a call from SPC to SPA, with CgPN	2731
S_ECT/	SS_11_2_b	Sets up a call from SPC to SPA, with CgPN	2732
S_ECT/	I_11_2_b	Sets up a call from SPC to SPA, with CgPN	2733
S_ECT/	SS_11_3_a	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2734
S_ECT/	I_11_3_a	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2735
S_ECT/	SS_11_3_b	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2736
S_ECT/	I_11_3_b	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2737
S_ECT/	SS_11_4_a	Assists a call set up from SPA to SPC, with ConNb in ANM	2738
S_ECT/	I_11_4_a	Assists a call set up from SPA to SPC, with ConNb in ANM	2739
S_ECT/	SS_11_4_b	Assists a call set up from SPA to SPC, with ConNb in ANM	2740
S_ECT/	I_11_4_b	Assists a call set up from SPA to SPC, with ConNb in ANM	2741
S_ECT/	SS_11_5	Assists a call set up from SPA to SPC and checks initiation of LOP procedure	2742
S_ECT/	I_11_5	Assists a call set up from SPA to SPC and checks initiation of LOP procedure	2743
S_ECT/	SS_11_6	Assists a call set up from SPA to SPC and checks the successful response to the LOP procedure	2744

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_ECT/	I_11_6	Assists a call set up from SPA to SPC and checks the successful response to the LOP procedure	2745
S_ECT/	SS_11_7	Assists a call set up from SPA to SPC and checks the successful response to the LOP procedure	2746
S_ECT/	I_11_7	Assists a call set up from SPA to SPC and checks the successful response to the LOP procedure	2747
S_ECT/	SS_11_8	Assists a call set up from SPA to SPC and return the received LOP message (loop exists)	2748
S_ECT/	I_11_8	Assists a call set up from SPA to SPC and return the received LOP message (loop exists)	2749
S_ECT/	SS_11_9	Assists a call set up from SPA to SPC and return LOP response 'simultaneous transfer'	2750
S_ECT/	I_11_9	Assists a call set up from SPA to SPC and return LOP response 'simultaneous transfer'	2751
S_ECT/	SS_11_10	Assists a call set up from SPA to SPC and return LOP response 'insufficient information' – reject	2752
S_ECT/	I_11_10	Assists a call set up from SPA to SPC and return LOP response 'insufficient information' – reject	2753
S_ECT/	SS_11_11	Assists a call set up from SPA to SPC and return LOP response 'insufficient information', success	2754
S_ECT/	I_11_11	Assists a call set up from SPA to SPC and return LOP response 'insufficient information', success	2755
S_ECT/	SS_11_12	Assists a call set up from SPA to SPC and do not return response LOP message – reject	2756
S_ECT/	I_11_12	Assists a call set up from SPA to SPC and do not return response LOP message – reject	2757

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_ECT/	SS_11_13	Assists a call set up from SPA to SPC and do not return response LOP message – success	2758
S_ECT/	I_11_13	Assists a call set up from SPA to SPC and do not return response LOP message – success	2759
S_ECT/	SS_11_14_a	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, active'	2760
S_ECT/	I_11_14_a	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, active'	2761
S_ECT/	SS_11_14_b	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2762
S_ECT/	I_11_14_b	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2763
S_ECT/	SS_11_15	Sets up a call from SPC to SPA and checks GenNot – 'call transfer, alerting' and 'call transfer, active'	2764
S_ECT/	I_11_15	Sets up a call from SPC to SPA and checks GenNot – 'call transfer, alerting' and 'call transfer, active'	2765
S_ECT/	SS_11_16	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, active' after answering 2nd call	2766
S_ECT/	I_11_16	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, active' after answering 2nd call	2767
S_ECT/	SS_11_17	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2768
S_ECT/	I_11_17	Assists a call set up from UNI at SPA to SPC, with addConNb in ANM	2769
S_ECT/	SS_11_18	Assists a call set up from SPA to SPC, with ConNb in ANM	2770

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_ECT/	I_11_18	Assists a call set up from SPA to SPC, with ConNb in ANM	2771
S_ECT/	SS_11_19	Set up a call from SPC to SPB	2772
S_ECT/	I_11_19	Set up a call from SPC to SPB	2773
S_ECT/	SS_11_20_a	Set up a call from SPC to SPB	2774
S_ECT/	I_11_20_a	Set up a call from SPC to SPB	2775
S_ECT/	SS_11_20_b	Set up a call from SPC to SPB	2776
S_ECT/	I_11_20_b	Set up a call from SPC to SPB	2777
S_ECT/	SS_11_21_a	Set up a call from SPC to SPB	2778
S_ECT/	I_11_21_a	Set up a call from SPC to SPB	2779
S_ECT/	SS_11_21_b	Set up a call from SPC to SPB	2780
S_ECT/	I_11_21_b	Set up a call from SPC to SPB	2781
S_ECT/	SS_11_22_a	Set up a call from SPC to SPB	2782
S_ECT/	I_11_22_a	Set up a call from SPC to SPB	2783
S_ECT/	SS_11_22_b	Set up a call from SPC to SPB	2784
S_ECT/	I_11_22_b	Set up a call from SPC to SPB	2785
S_ECT/	SS_11_23_a	Set up a call from SPC to SPB	2786
S_ECT/	I_11_23_a	Set up a call from SPC to SPB	2787
S_ECT/	SS_11_23_b	Set up a call from SPC to SPB	2788
S_ECT/	I_11_23_b	Set up a call from SPC to SPB	2789
S_ECT/	SS_11_24	Sets up a call from SPC to SPA, with PDC in the IAM	2790
S_ECT/	I_11_24	Sets up a call from SPC to SPA, with PDC in the IAM	2791
S_ECT/	SS_11_25	Assist a call set up on a non-ISUP route	2792

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_ECT/	T_11_25	Assist a call set up on a non-ISUP route	2793
S_ECT/	SS_11_26	Assist a call set up on a non-ISUP route	2794
S_ECT/	T_11_26	Assist a call set up on a non-ISUP route	2795
S_ECT/	SS_11_27_28	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2796
S_ECT/	I_11_27_28	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2797
S_ECT/	SS_11_29	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2798
S_ECT/	I_11_29	Sets up a call from SPC to SPA and checks ECT activation – 'call transfer, alerting'	2799
S_ECT/	SS_11_30	Sets up a call from SPC to SPA, with CgPN and calling sub-address	2800
S_ECT/	I_11_30	Sets up a call from SPC to SPA, with CgPN and calling sub-address	2801
S_CDIV/	SS_12_1	Initiate call setup of call which is to be diverted	2802
S_CDIV/	A_12_1	Initiate call setup of call which is to be diverted	2803
S_CDIV/	SS_12_4	Initiate call setup of call which is to be diverted	2804
S_CDIV/	A_12_4	Initiate call setup of call which is to be diverted	2805
S_CDIV/	SS_12_div_occured	Receive call diversion information	2806
S_CDIV/	I_12_div_occured	Receive call diversion information	2807
S_CDIV/	SS_12_div_mayoccur	Receive call diversion information –	2808
S_CDIV/	I_12_div_mayoccur	Receive call diversion information –	2809

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_10	Provide RgNb OriCdNb and RnInf to be passed on in forward direction and receive CDinf, GenNot and RnNbRes in the backward direction	2810
S_CDIV/	I_12_10	Provide RgNb OriCdNb and RnInf to be passed on in forward direction and receive CDinf, GenNot and RnNbRes in the backward direction	2811
S_CDIV/	SS_12_11_a	Provide OriCdNb and RnInf to be passed on in forward direction	2812
S_CDIV/	I_12_11_a	Provide OriCdNb and RnInf to be passed on in forward direction	2813
S_CDIV/	SS_12_11_b	Provide OriCdNb with APRI = Address not available	2814
S_CDIV/	I_12_11_b	Provide OriCdNb with APRI = Address not available	2814
S_CDIV/	SS_12_11_c	Provide national OriCdNb	2815
S_CDIV/	I_12_11_c	Provide national OriCdNb	2815
S_CDIV/	SS_12_12_a	Provide RgNb and RnInf to be passed on in forward direction	2816
S_CDIV/	I_12_12_a	Provide RgNb and RnInf to be passed on in forward direction	2817
S_CDIV/	SS_12_12_b	Provide RgNb with APRI = Address not available	2818
S_CDIV/	I_12_12_b	Provide RgNb with APRI = Address not available	2819
S_CDIV/	SS_12_12_c	Provide RgNb to be converted to international format	2820
S_CDIV/	I_12_12_c	Provide RgNb to be converted to international format	2821
S_CDIV/	SS_12_13_a	Receive national (significant) Redirection number	2822

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	I_12_13_a	Receive national (significant) Redirection number	2823
S_CDIV/	SS_12_13_b	Receive international Redirection number with prefix	2824
S_CDIV/	I_12_13_b	Receive international Redirection number with prefix	2825
S_CDIV/	SS_12_14_a	Send an international OriCdNb with own country code	2826
S_CDIV/	I_12_14_a	Send an international OriCdNb with own country code	2826
S_CDIV/	SS_12_14_b	Send an international OriCdNb with foreign country code	2827
S_CDIV/	I_12_14_b	Send an international OriCdNb with foreign country code	2828
S_CDIV/	SS_12_InitiateCallToBeDiver ted	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2829
S_CDIV/	I_12_InitiateCallToBeDiver ted	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2830
S_CDIV/	SS_12_15_a	Provide RgNb with same country code as national network	2831
S_CDIV/	I_12_15_a	Provide RgNb with same country code as national network	2832
S_CDIV/	SS_12_15_b	Provide RgNb with same country code as national network	2833
S_CDIV/	I_12_15_b	Provide RgNb with same country code as national network	2834
S_CDIV/	SS_12_15_c	Provide "address not available" RgNb	2835
S_CDIV/	I_12_15_c	Provide "address not available" RgNb	2835
S_CDIV/	SS_12_16_a	Verify that RnNb is removed at gateway.	2836
S_CDIV/	I_12_16_a	Verify that RnNb is removed at gateway.	2837

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_16_b	Verify that RnNb is removed at gateway.	2838
S_CDIV/	I_12_16_b	Verify that RnNb is removed at gateway.	2839
S_CDIV/	SS_12_17	Verify that RnNbRes (in addition to the RnNb) is removed at gateway.	2840
S_CDIV/	I_12_17	Verify that RnNbRes (in addition to the RnNb) is removed at gateway.	2841
S_CDIV/	SS_12_23	Initate Call setup with InitDiv previous diversions.	2842
S_CDIV/	I_12_23	Initate Call setup with InitDiv previous diversions.	2843
S_CDIV/	SS_12_26_a	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2844
S_CDIV/	I_12_26_a	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2845
S_CDIV/	SS_12_26_b	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2846
S_CDIV/	I_12_26_b	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2847
S_CDIV/	SS_12_26_c	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2848
S_CDIV/	I_12_26_c	Provides stimulus for call to be diverted. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2849

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_27	Receive call diversion information – Verify that CDmo is received	2850
S_CDIV/	I_12_27	Receive call diversion information – Verify that CDmo is received	2851
S_CDIV/	SS_12_28_a	Served user at SPA accepts incoming CFNR call before timeout of TCFNR	2852
S_CDIV/	A_12_28_a	Served user at SPA accepts incoming CFNR call before timeout of TCFNR	2853
S_CDIV/	SS_12_28_i	Call is answered by served (diverting) user before timeout of CFNR	2854
S_CDIV/	I_12_28_i	Call is answered by served (diverting) user before timeout of CFNR	2855
S_CDIV/	SS_12_29	Provides stimulus for call to be diverted and assist check of immediate check of throughconnect after IAM has been forwarded. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2856
S_CDIV/	I_12_29	Provides stimulus for call to be diverted and assist check of immediate check of throughconnect after IAM has been forwarded. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2857
S_CDIV/	SS_12_30	Provides stimulus for call to be diverted and assist check throughconnection after ACM /ANM. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2858
S_CDIV/	I_12_30	Provides stimulus for call to be diverted and assist check throughconnection after ACM /ANM. Takes both cases of diversion (direct diversion / CDmo) into consideration.	2859

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_31_a	Served user at SPA accepts incoming CFNR call after timeout of TCFNR	2860
S_CDIV/	A_12_31_a	Served user at SPA accepts incoming CFNR call after timeout of TCFNR	2861
S_CDIV/	SS_12_31_i	ISUP stimulus for CFNR diversion	2862
S_CDIV/	I_12_31_i	ISUP stimulus for CFNR diversion	2863
S_CDIV/	SS_12_32_a	Check that the IUT continues to apply ringing tone after release busy on forwarded leg	2864
S_CDIV/	A_12_32_a	Check that the IUT continues to apply ringing tone after release busy on forwarded leg	2864
S_CDIV/	SS_12_32_i	Check that the IUT continues to apply ringing tone after release busy on forwarded leg	2865
S_CDIV/	I_12_32_i	Check that the IUT continues to apply ringing tone after release busy on forwarded leg	2866
S_CDIV/	SS_12_33	Check that the IUT releases the call if the diverted-to user is busy	2867
S_CDIV/	I_12_33	Check that the IUT releases the call if the diverted-to user is busy	2868
S_CDIV/	SS_12_34	Check that the IUT provides the collected information concerning the last user who is free	2869
S_CDIV/	I_12_34	Check that the IUT provides the collected information concerning the last user who is free	2870
S_CDIV/	SS_12_35	Check that the IUT provides all the diversion information in the backward direction (no colect)	2871
S_CDIV/	I_12_35	Check that the IUT provides all the diversion information in the backward direction (no colect)	2872

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_36	Provides stimulus for call to be diverted and assist check of immediate throughconnection after IAM has been forwarded.	2874
S_CDIV/	I_12_36	Provides stimulus for call to be diverted and assist check of immediate throughconnection after IAM has been forwarded.	2875
S_CDIV/	SS_12_37	Provides stimulus for call to be diverted and assist check of immediate throughconnection after IAM has been forwarded.	2876
S_CDIV/	I_12_37	Provides stimulus for call to be diverted and assist check of immediate throughconnection after IAM has been forwarded.	2877
S_CDIV/	SS_12_38	Provides stimulus for call to be diverted and checks the release of resources upon timer T7 expiry after IAM has been forwarded. Handels both cases of diversion (direct diversion / CDmo) .	2878
S_CDIV/	I_12_38	Provides stimulus for call to be diverted and checks the release of resources upon timer T7 expiry after IAM has been forwarded. Handels both cases of diversion (direct diversion / CDmo) .	2879
S_CDIV/	SS_12_39	Provides stimulus for call to be diverted and checks the release of resources upon timer T9 expiry after IAM has been forwarded. Handels both cases of diversion (direct diversion / CDmo) .	2880

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	I_12_39	Provides stimulus for call to be diverted and checks the release of resources upon timer T9 expiry after IAM has been forwarded. Handels both cases of diversion (direct diversion / CDmo) .	2881
S_CDIV/	SS_12_41_a	Served user at SPA assists call setup, doesn't answer and release after TCFNR expiry	2882
S_CDIV/	A_12_41_a	Served user at SPA assists call setup, doesn't answer and release after TCFNR expiry	2883
S_CDIV/	SS_12_41_b	Served user at SPA assists call setup, doesn't answer and accepts release	2884
S_CDIV/	A_12_41_b	Served user at SPA assists call setup, doesn't answer and accepts release	2884
S_CDIV/	SS_12_42	Send IAM with PDC	2885
S_CDIV/	I_12_42	Send IAM with PDC	2886
S_CDIV/	SS_12_43_a	Checks the Connected number and additional connected number	2887
S_CDIV/	I_12_43_a	Checks the Connected number and additional connected number	2888
S_CDIV/	SS_12_43_b	Checks the Connected number and additional connected number	2889
S_CDIV/	I_12_43_b	Checks the Connected number and additional connected number	2890
S_CDIV/	SS_12_44	Provides stimulus for call to be diverted having a Calling party number and an additional calling party number	2891
S_CDIV/	I_12_44	Provides stimulus for call to be diverted having a Calling party number and an additional calling party number	2892

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CDIV/	SS_12_46	Initiate a CUG call without outgoing access, specifying a CUGIC	2893
S_CDIV/	I_12_46	Initiate a CUG call without outgoing access, specifying a CUGIC	2894
S_CDIV/	SS_12_47_48	Provides stimulus for call to be diverted having a Calling party number and an additional calling party number	2895
S_CDIV/	I_12_47_48	Provides stimulus for call to be diverted having a Calling party number and an additional calling party number	2896
S_CDIV/	SS_12_49	Assist a call set up on a non-ISUP route	2897
S_CDIV/	T_12_49	Assist a call set up on a non-ISUP route	2898
S_HOLD/	SS_13_1	Initiates Call Hold	2899
S_HOLD/	A_13_1	Initiates Call Hold	2900
S_HOLD/	SS_13_2	Receives Call Hold information	2901
S_HOLD/	A_13_2	Receives Call Hold information	2902
S_HOLD/	SS_13_3	Initiate call with Call hold after alerting, Call retrieval after answer	2903
S_HOLD/	A_13_3	Initiate call with Call hold after alerting, Call retrieval after answer	2904
S_HOLD/	SS_13_4	Hold a call	2905
S_HOLD/	A_13_4	Hold a call	2906
S_HOLD/	SS_13_5	Hold and retrieve a call	2907
S_HOLD/	A_13_5	Hold and retrieve a call	2908
S_HOLD/	SS_13_6_a	Initate call – held by calling user	2909
S_HOLD/	I_13_6_a	Initate call – held by calling user	2910

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_HOLD/	SS_13_6_b	Initiate call – held by called user	2911
S_HOLD/	I_13_6_b	Initiate call – held by called user	2912
S_HOLD/	SS_13_7_a	Initiate call – held by calling user	2913
S_HOLD/	I_13_7_a	Initiate call – held by calling user	2914
S_HOLD/	SS_13_7_b	Initiate stimulus call – held by called party	2915
S_HOLD/	I_13_7_b	Initiate stimulus call – held by called party	2916
S_HOLD/	SS_13_8	Initiates a PSTN speech call	2917
S_HOLD/	I_13_8	Initiates a PSTN speech call	2917
S_HOLD/	SS_13_9	Hold a call	2918
S_HOLD/	A_13_9	Hold a call	2919
S_HOLD/	SS_13_10	Holds a call	2920
S_HOLD/	A_13_10	Holds a call	2921
S_HOLD/	SS_13_11	Holds a call	2922
S_HOLD/	A_13_11	Holds a call	2923
S_HOLD/	SS_13_12	Holds and retrieves a call	2924
S_HOLD/	A_13_12	Holds and retrieves a call	2925
S_CW/	SS_14_1	Expects Call waiting indication in ALERTING (ACM case)	2926
S_CW/	A_14_1	Expects Call waiting indication in ALERTING (ACM case)	2926
S_CW/	SS_14_2	Expects Call waiting indication in ALERTING (CPG case)	2927
S_CW/	A_14_2	Expects Call waiting indication in ALERTING (CPG case)	2927
S_CW/	SS_14_3	Initiates call and expects a call waiting indication in ACM	2928
S_CW/	I_14_3	Initiates call and expects a call waiting indication in ACM	2928
S_CW/	SS_14_4	Initiates call and expects a call waiting indication in CPG	2929

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CW/	I_14_4	Initiates call and expects a call waiting indication in CPG	2930
S_CW/	SS_14_5	Answer waiting call	2931
S_CW/	A_14_5	Answer waiting call	2932
S_CW/	SS_14_6	Answer waiting call without notification	2933
S_CW/	A_14_6	Answer waiting call without notification	2934
S_CW/	SS_14_7	Reject waiting call	2935
S_CW/	A_14_7	Reject waiting call	2936
S_CW/	SS_14_8	Do not answer the waiting call	2937
S_CW/	A_14_8	Do not answer the waiting call	2938
S_CCBS/	SS_15_1	Activate CCBS request, CCBS recall, set ISUP Preference Indicator in the CCBS call and terminate the call.	2939
S_CCBS/	A_15_1	Activate CCBS request, CCBS recall, set ISUP Preference Indicator in the CCBS call and terminate the call.	2940
S_CCBS/	SS_15_2	Activate CCBS request, CCBS recall, set CCSS parameter in the CCBS call and terminate the call.	2941
S_CCBS/	A_15_2	Activate CCBS request, CCBS recall, set CCSS parameter in the CCBS call and terminate the call.	2942
S_CCBS/	SS_15_3	Set up with call information. Activate CCBS request, CCBS recall and terminate the call.	2943
S_CCBS/	A_15_3	Set up with call information. Activate CCBS request, CCBS recall and terminate the call.	2944

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	SS_15_4	Set up with call information and interaction with other supplementary services. Activate CCBS request, CCBS recall and terminate the call.	2945
S_CCBS/	A_15_4	Set up with call information and interaction with other supplementary services. Activate CCBS request, CCBS recall and terminate the call.	2946
S_CCBS/	SS_15_5	Set up a call from the SPA to SPC which encounters user at SPC busy	2947
S_CCBS/	I_15_5	Set up a call from the SPA to SPC which encounters user at SPC busy	2948
S_CCBS/	SS_15_6	Set up a call from SPC to SPB which encounters user B busy	2949
S_CCBS/	I_15_6	Set up a CCBS call from SPC to SPB	2949
S_CCBS/	SS_15_8	Assist call set up, answer the call and then release the call	2950
S_CCBS/	A_15_8	Assist call set up, answer the call and then release the call	2951
S_CCBS/	SS_15_10	Activate CCBS request, CCBS recall and terminate the call.	2952
S_CCBS/	A_15_10	Activate CCBS request, CCBS recall and terminate the call.	2953
S_CCBS/	SS_15_11	Assist call set up, answer the call and then release the call	2954
S_CCBS/	A_15_11	Assist call set up, answer the call and then release the call	2955

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	SS_15_12	Set up a call from SPA to SPB which encounters user at SPB busy, activates the CCBS call and terminates the call	2956
S_CCBS/	I_15_12	Set up a call from SPC to SPA which encounters user at SPA busy, activates the CCBS call and terminates the call	2957
S_CCBS/	SS_15_13	Assist call set up, answer the call and then release the call	2958
S_CCBS/	A_15_13	Assist call set up, answer the call and then release the call	2959
S_CCBS/	SS_15_14	Set the destination B busy. Answer the 1st and then the 2 nd waiting CCBS calls.	2960
S_CCBS/	A_15_14	Set the destination B busy. Answer the 1st and then the 2 nd waiting CCBS calls.	2961
S_CCBS/	SS_15_15	Assist call set up. Incoming non-CCBS call with not identical service requirements accepted .	2962
S_CCBS/	A_15_15	Assist call set up. Incoming non-CCBS call with not identical service requirements accepted .	2963
S_CCBS/	SS_TC_15_1	Activate CCBS request. Successful	2964
S_CCBS/	A_TC_15_1	Activate CCBS request. Successful	2965
S_CCBS/	SS_TC_15_2	Activate CCBS request. Failure	2966
S_CCBS/	A_TC_15_2	Activate CCBS request. Failure	2967
S_CCBS/	SS_TC_15_3	Activate and deactivate CCBS request.	2968
S_CCBS/	A_TC_15_3	Activate and deactivate CCBS request.	2969

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	SS_TC_15_4	Request the calling user to activate CCBS request and CCBS recall	2970
S_CCBS/	A_TC_15_4	Request the calling user to activate CCBS request and CCBS recall	2971
S_CCBS/	SS_TC_15_5	Calling user activate CCBS request. Busy calling user receives notification that the user at SPB is now free, send no response for that	2972
S_CCBS/	A_TC_15_5	Calling user activate CCBS request. Busy calling user receives notification that the user at SPB is now free, send no response for that	2973
S_CCBS/	SS_TC_15_6_a	Activate CCBS request.	2974
S_CCBS/	A_TC_15_6_a	Activate CCBS request.	2975
S_CCBS/	SS_TC_15_7	Activate more than the limited number of CCBS requests which user A can activate.	2976
S_CCBS/	A_TC_15_7	Activate more than the limited number of CCBS requests which user A can activate.	2977
S_CCBS/	SS_TC_15_9	Assist call set up, answer the call and then release the call	2978
S_CCBS/	A_TC_15_9	Assist call set up, answer the call and then release the call	2979
S_CCBS/	SS_TC_15_10	Activate CCBS request. Activate CCBS recall.	2980
S_CCBS/	A_TC_15_10	Activate CCBS request. Activate CCBS recall.	2981
S_CCBS/	SS_TC_15_11	Activate CCBS request after CCBS-T1 runs out.	2982
S_CCBS/	A_TC_15_11	Activate CCBS request after CCBS-T1 runs out.	2983

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	SS_TC_15_12	Activate CCBS request and receive the notification if it fails.	2984
S_CCBS/	A_TC_15_12	Activate CCBS request and receive the notification if it fails.	2985
S_CCBS/	SS_TC_15_13	Activate CCBS request.	2986
S_CCBS/	A_TC_15_13	Activate CCBS request.	2987
S_CCBS/	SS_TC_15_14	Activate CCBS request but not CCBS recall.	2988
S_CCBS/	A_TC_15_14	Activate CCBS request but not CCBS recall.	2989
S_CCBS/	SS_TC_15_15	Activate CCBS request, CCBS recall and terminate the call. 2nd identical call to the same destination	2990
S_CCBS/	A_TC_15_15	Activate CCBS request, CCBS recall and terminate the call. 2nd identical call to the same destination	2991
S_CCBS/	SS_TC_15_16	Set up two identical calls which encounter user at SPB busy, activate CCBS for both	2992
S_CCBS/	A_TC_15_16	Set up two identical calls which encounter user at SPB busy, activate CCBS for both	2993
S_CCBS/	SS_TC_15_18	Assist call set up, answer the call and then release the call	2994
S_CCBS/	A_TC_15_18	Assist call set up, answer the call and then release the call	2995
S_CCBS/	SS_TC_15_20	Set up a call from SPC to SPB which encounters user B busy	2996
S_CCBS/	I_TC_15_20	Set up a call from SPC to SPA which has a private network SPB	2997
S_CCBS/	SS_TC_15_21	No CCBS activation	2998

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	A_TC_15_21	No CCBS activation	2998
S_CCBS/	Activate_CCBS_request_OLE	Activate the CCBS request operation and wait for the result (IUT)	2999
S_CCBS/	Activate_CCBS_request_DLE	Activate the CCBS request operation and wait for the result (MTC)	3000
S_CCBS/	Deactivate_CCBS_request	Deactivate the activated CCBS request	3000
S_CCBS/	Destination_B_busy	Assist call set up, answer the call and then release the call	3001
S_CCBS/	A_busy	Assist call set up, answer the call and then release the call	3002
S_CCBS/	G_Release_call_no_circuit_at_SPC	Set up a call from the SPA to SPC which encounters user at SPC busy	3003
S_CCBS/	Release_call_no_circuit_at_SPC	Set up a call from the SPA to SPC which encounters user at SPC busy	3004
S_CCBS/	Release_call_no_circuit	Set up a call from SPB to SPA which encounters user at SPA busy	3005
S_CCBS/	Release_call_no_circuit_at_B	Set up a call from local exchange A to destination exchange B which encounters user at destination exchange busy	3006
S_CCBS/	RemoteUserFree_OLE	Inform the calling user that the remote user is free.	3007
S_CCBS/	RemoteUserFree_DLE	Inform the calling user that the remote user is free.	3007
S_CCBS/	Tcap_OLE	Some TCAP message flows are exchanged between OLE and DLE, e.g. start timers CCBS-T1, -T2, -T3, -T4, -T7, -T8, -T9, CCBS request, CCBS return status, CCBS recall.	3008

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCBS/	Tcap_DLE	Some TCAP message flows are exchanged between OLE and DLE, e.g. start timers CCBS-T1, -T2, -T3, -T4, -T7, -T8, -T9, CCBS request, CCBS return status, CCBS recall.	3009
S_3PTY/	Active_call_held_AB	Set up a call to SPB and holds it from UNI at SPA	3010
S_3PTY/	SS_1_16_1	Initiate call setup for two calls, initiate 3PTY after the 2nd call is answered	3010
S_3PTY/	A_initiate_setup_1_16_1	Initiate call setup for two calls, initiate 3PTY after the 2nd call is answered	3011
S_3PTY/	A_initiate_setup_2_16_1	Initiate call setup for two calls, initiate 3PTY after the 2nd call is answered	3012
S_3PTY/	A_3pty_begin	Initiate call setup for two calls, initiate 3PTY after the 2nd call is answered	3013
S_3PTY/	I_3pty_AC	Set up a call from SPA to SPC	3014
S_3PTY/	A_rel_x_3pty_with_facility		3014
S_3PTY/	I_3pty_release_AC	Set up a call from SPA to SPC	3015
S_3PTY/	SS_2_16_1	Set up a call from SPA to SPC	3015
S_3PTY/	I_2_16_1	Set up a call from SPA to SPC	3016
S_3PTY/	SS_2_16_1_release	Set up a call from SPA to SPC	3017
S_3PTY/	A_release_2_16_1	Initiate call setup for two calls, initiate 3PTY after the 2nd call is answered	3018
S_3PTY/	I_2_16_1_release	Set up a call from SPA to SPC	3019
S_3PTY/	A_release_ACHy		3020
S_3PTY/	I_release_AC	Set up a call from SPA to SPC	3020
S_3PTY/	A_hold_3pty		3021

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_3PTY/	I_3pty_hold_AC	Set up a call from SPA to SPC	3022
S_3PTY/	A_16_3_3pty		3023
S_3PTY/	A_release_x_3pty		3023
S_3PTY/	A_rel_y_3pty_with_facility		3024
S_3PTY/	A_release_y_3pty		3024
S_3PTY/	A_retrieve_x_3pty		3025
S_3PTY/	SS_16_6_a	Set up a call to user at SPC and release the call	3025
S_3PTY/	I_16_6_a	Set up a call to user at SPC and release the call	3026
S_3PTY/	SS_16_6_b	Set up a call to user at SPC and release the call	3027
S_3PTY/	I_16_6_b	Set up a call to user at SPC and release the call	3028
S_3PTY/	SS_16_7	Assist a call set up to a remote user	3029
S_3PTY/	A_16_7	Assist a call set up to a remote user	3030
S_3PTY/	A_hold_x_3pty		3031
S_3PTY/	SS_16_9	Normal call setup for Interworking signalling system	3032
S_3PTY/	T_16_9	Normal call setup for Interworking signalling system	3032
S_CCNR/	Release_call_no_answer	Set up a call from SPB to SPA which encounters user at SPA busy	3033
S_CCNR/	Release_call_no_answer_at_B	Set up a call from local exchange A to destination exchange B which encounters user at destination exchange no answer	3034
S_CCNR/	Activate_CCNR_request_OLE	Activate the CCNR request operation and wait for the result (IUT)	3035
S_CCNR/	Activate_CCNR_request_DLE	Activate the CCNR request operation and wait for the result (MTC)	3036

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCNR/	Deactivate_CCNR_request	Deactivate the activated CCNR request	3036
S_CCNR/	Destination_B_no_answer	Assist call set up, answer the call and then release the call	3037
S_CCNR/	A_no_answer	Assist call set up, answer the call and then release the call	3038
S_CCNR/ISUP/	SS_17_1	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3039
S_CCNR/ISUP/	A_17_1	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3040
S_CCNR/ISUP/	SS_17_2	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3041
S_CCNR/ISUP/	A_17_2	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3042
S_CCNR/ISUP/	SS_17_3	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3043
S_CCNR/ISUP/	A_17_3	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3044
S_CCNR/ISUP/	SS_17_4	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3045

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCNR/ISUP/	A_17_4	Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.	3046
S_CCNR/ISUP/	SS_17_5	Set up a call from the SPA to SPC which encounters user at SPC no answer	3047
S_CCNR/ISUP/	I_17_5	Set up a call from the SPA to SPC which encounters user at SPC no answer	3047
S_CCNR/ISUP/	SS_17_6	Set up a call from SPC to SPB which encounters user B busy	3048
S_CCNR/ISUP/	I_17_6	Set up a CCBS call from SPC to SPB	3048
S_CCNR/ISUP/	SS_17_7	Setup a call with no answer	3049
S_CCNR/ISUP/	A_17_7	No answer to call	3050
S_CCNR/ISUP/	SS_17_8	Setup a call	3051
S_CCNR/ISUP/	A_17_8	Normal call with CCSS indication.	3052
S_CCNR/ISUP/	SS_17_9	Setup a call	3053
S_CCNR/ISUP/	A_17_9	Normal call with NO CCSS indication.	3054
S_CCNR/ISUP/	SS_17_10	Set up a call from SPA to SPB which encounters user at SPB busy, activates the CCBS call and terminates the call	3055
S_CCNR/ISUP/	I_17_10	Set up a call from SPC to SPA which encounters user at SPA busy, activates the CCBS call and terminates the call	3055
S_CCNR/ISUP/	SS_17_12	Setup a call	3056
S_CCNR/ISUP/	A_17_12	Normal call with NO CCSS indication.	3057

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCNR/ISUP/	SS_17_13	Assist call set up. Incoming non-CCNR call with not identical service requirements accepted .	3058
S_CCNR/ISUP/	A_17_13	Assist call set up. Incoming non-CCNR call with not identical service requirements accepted .	3059
S_CCNR/ASE/	A_TC_17_2_1	Activate CCNR request. Successful	3060
S_CCNR/ASE/	SS_TC_17_2_1	Activate CCBS request. Successful	3061
S_CCNR/ASE/	SS_TC_17_2_2	Activate CCBS request. Failure	3061
S_CCNR/ASE/	A_TC_17_2_2	Activate CCNR request. Failure	3062
S_CCNR/ASE/	SS_TC_17_2_3	Activate and deactivate CCBS request.	3063
S_CCNR/ASE/	A_TC_17_2_3	Activate and deactivate CCNR request.	3064
S_CCNR/ASE/	SS_TC_17_2_4	Request the calling user to activate CCNR request and CCNR recall	3065
S_CCNR/ASE/	A_TC_17_2_4	Request the calling user to activate CCNR request and CCNR recall	3066
S_CCNR/ASE/	SS_TC_17_2_5	Calling user activate CCNR request. Busy calling user receives notification that the user at SPB is now free, send no response for that	3067
S_CCNR/ASE/	A_TC_17_2_5	Calling user activate CCNR request. Busy calling user receives notification that the user at SPB is now free, send no response for that	3068
S_CCNR/ASE/	SS_TC_17_2_6	Activate CCNR request.	3069
S_CCNR/ASE/	A_TC_17_2_6	Activate CCNR request.	3070
S_CCNR/ASE/	SS_TC_17_2_7	Activate more than the limited number of CCNR requests which user A can activate.	3071

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCNR/ASE/	A_TC_17_2_7	Activate more than the limited number of CCNR requests which user A can activate.	3072
S_CCNR/ASE/	SS_TC_17_2_9	Assist call set up, answer the call and then release the call	3073
S_CCNR/ASE/	A_TC_17_2_9	Assist call set up, answer the call and then release the call	3074
S_CCNR/ASE/	SS_TC_17_2_10	Activate CCNR request. Activate CCNR recall.	3075
S_CCNR/ASE/	A_TC_17_2_10	Activate CCBS request. Activate CCBS recall.	3076
S_CCNR/ASE/	SS_TC_17_2_11	Activate CCNR request after CCBS-T1 runs out.	3077
S_CCNR/ASE/	A_TC_17_2_11	Activate CCNR request after CCBS-T1 runs out.	3078
S_CCNR/ASE/	SS_TC_17_2_12	Activate CCNR request and receive the notification if it fails.	3079
S_CCNR/ASE/	A_TC_17_2_12	Activate CCBS request and receive the notification if it fails.	3080
S_CCNR/ASE/	SS_TC_17_2_13	Activate CCNR request	3081
S_CCNR/ASE/	A_TC_17_2_13	Activate CCNR request	3082
S_CCNR/ASE/	SS_TC_17_2_14	Activate CCNR request but not CCNR recall.	3083
S_CCNR/ASE/	A_TC_17_2_14	Activate CCNR request but not CCNR recall.	3084
S_CCNR/ASE/	SS_TC_17_2_15	Activate CCNR request, CCNR recall and terminate the call. 2nd identical call to the same destination	3085
S_CCNR/ASE/	A_TC_17_2_15	Activate CCNR request, CCNR recall and terminate the call. 2nd identical call to the same destination	3086
S_CCNR/ASE/	SS_TC_17_2_16	Set up two identical calls which encounter user at SPB busy, activate CCNR for both	3087

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
S_CCNR/ASE/	A_TC_17_2_16	Set up two identical calls which encounter user at SPB no answer, activate CCNR for both	3088
S_CCNR/ASE/	SS_TC_17_2_18	Assist call set up, answer the call and then release the call	3089
S_CCNR/ASE/	A_TC_17_2_18	Assist call set up, answer the call and then release the call	3090
S_CCNR/ASE/	SS_TC_17_2_20	Set up a call from SPC to SPB which encounters user B no answer	3091
S_CCNR/ASE/	I_TC_17_2_20	Set up a call from SPC to SPA which has a private network SPB	3092
S_CCNR/ASE/	SS_TC_17_2_21	No CCNR activation	3093
S_CCNR/ASE/	A_TC_17_2_21	No CCNR activation	3094
Detailed Comments :			

Default Index			
Default Group Reference	Default Id	Description	Page Nr
	AnyOtherEventUnexpected		3095
	AnyOtherEventUnexpected_I_PTC		3097
	AnyOtherEventUnexpected_A_PTC		3099
	AnyOtherEventUnexpected_T_PTC		3100
	ACCESS_DEF	Same as Default from basic call	3101
Detailed Comments :			

II

Declarations Part

Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
BIT_1	BITSTRING[1]		
BIT_2	BITSTRING[2]		
BIT_3	BITSTRING[3]		
BIT_4	BITSTRING[4]		
BIT_5	BITSTRING[5]		
BIT_6	BITSTRING[6]		
BIT_7	BITSTRING[7]		
BIT_8	BITSTRING[8]		
BIT_12	BITSTRING[12]		
BIT_14	BITSTRING[14]		
HEX_1	HEXSTRING[1]		
HEX_0_1	HEXSTRING[0..1]		
HEX_4	HEXSTRING[4]		
HEX_N	HEXSTRING		
OCT_1	OCTETSTRING[1]		
OCT_2	OCTETSTRING[2]		
OCT_4	OCTETSTRING[4]		
OCT_5	OCTETSTRING[5]		
OCT_6	OCTETSTRING[6]		
OCT_7	OCTETSTRING[7]		
OCT_1_32	OCTETSTRING[1..32]		
OCT_N	OCTETSTRING		
message_type	BIT_8		2.1 / Q.763
pointer	OCT_1		2.3 / Q.763

Continued on next page

Continued from previous page

Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
end_of_optional_parameters_indicator	OCT_1		3.20 / Q.763
transmission_medium_requirement	BIT_8		3.54 / Q.763
CR_LENGTH_TYPE	INTEGER(1,2)		Call reference length type
CST_I	BITSTRING('00010100'B)		Call state identifier type
FAC_I	BITSTRING('00011100'B)		Facility identifier type
FAC_PP_INV	OCTETSTRING('91A1'O)		Protocol profile, invoke component tag
MD	BITSTRING('10100000'B)		More Data information
MT	BITSTRING[8]		Message type
PD	BITSTRING('00001000'B)		Protocol discriminator
SCI	BITSTRING('10100001'B)		Sending complete information
BIT7OR8	BITSTRING[7 .. 8]		Used in Channel identification
BIT7OR15	BITSTRING[7 .. 15]		Used in Call Reference
Detailed Comments :			

Structured Type Definition			
Type Name : routing_label			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
DestPC	BIT_14		Destination point code
OrigPC	BIT_14		Origination point code
SLSel	BIT_4		Signalling link selection
Detailed Comments :			

Structured Type Definition			
Type Name : circuit_identification_code			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
CIC	BIT_12		
spare	BIT_4		
Detailed Comments :			

Structured Type Definition			
Type Name : service_information_octet			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
SIO	BITSTRING[4]		User part identification '5'H for ISUP
spare	BITSTRING[2]		spare '00'B
NI	BITSTRING[2]		Network indicator
Detailed Comments :			

Structured Type Definition			
Type Name : access_delivery_information			
Encoding Variation:			
Comments : 3.2 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Access delivery indicator
length	OCT_1		
ADI	BIT_1		
spare	BIT_7		
Detailed Comments :			

Structured Type Definition			
Type Name : access_transport			
Encoding Variation:			
Comments : 3.3 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ATP_field	OCT_N		
Detailed Comments :			

Structured Type Definition			
Type Name : automatic_congestion_level			
Encoding Variation:			
Comments : 3.4 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ACL_field	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : backward_call_indicators Encoding Variation: Comments : 3.5 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		1.
Chgl	BIT_2		Charge indicator
CdPSI	BIT_2		Called party's status indicator
CdPC	BIT_2		Called party's category indicator
EEMthI	BIT_2		End-to-end method indicator
IWI	BIT_1		Interworking indicator
EEInfl	BIT_1		End-to-end information indicator
ISUPI	BIT_1		ISDN User Part indicator
HoldI	BIT_1		Holding indicator @
ISDNAI	BIT_1		ISDN access indicator
ECDI	BIT_1		Echo control device indicator
SCCPMI	BIT_2		SCCP method indicator
Detailed Comments : 1. Only needed if the parameter is in the optional part of a message. @: This parameter is for national use only.			

Structured Type Definition			
Type Name : backward_GVNS			
Encoding Variation:			
Comments : 3.62 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		terminating access indicator
length	OCT_1		
term_acc_ind	BIT_2		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : call_completion_supplementary_service			
Encoding Variation:			
Comments : 3.63 / Q.763 and Call Completion Supplementary Service CCNR			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CCSSCI	BIT_1		
spare	BIT_7		
Detailed Comments :			

Structured Type Definition			
Type Name : call_diversion_information Encoding Variation: Comments : 3.6 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NSO	BIT_3		Notification subscription option
RnReas	BIT_4		Redirection reason
spare	BIT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : call_diversion_treatment_indicator Encoding Variation: Comments : 3.72 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
call_diverted_indicator	BIT_2		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : call_history_information			
Encoding Variation:			
Comments : 3.7 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CHInf_field	OCT_2		
Detailed Comments :			

Structured Type Definition			
Type Name : call_offering_treatment_indicators			
Encoding Variation:			
Comments : 3.74 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Call to be offered indicator
length	OCT_1		
CallOffer_ind	BIT_2		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : call_reference			
Encoding Variation:			
Comments : 3.8 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CRef_contents	OCT_5		1.
Detailed Comments :			
1. The contents of this message are not subdivided because this parameter is for national use only.			

Structured Type Definition			
Type Name : call_transfer_number Encoding Variation: Comments : 3.8A /ETS 300 356-1 (see calling_party_number 3.10/Q.763)			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
ScrI	BIT_2		Screening indicator
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
CTNII	BIT_1		Call transfer number incomplete indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : call_transfer_reference			
Encoding Variation:			
Comments : 3.8B /ETS 300 356-1			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CTId	OCT_1		call transfer identity – integer (0..255)
Detailed Comments :			

Structured Type Definition			
Type Name : called_IN_number Encoding Variation: Comments : 3.73 / Q.763 as per original called number sec 3.39			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
spare_1	BIT_2		
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
spare_2	BIT_1		
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : called_party_number Encoding Variation: Comments : 3.9 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
spare	BIT_4		
NbPl	BIT_3		Numbering plan indicator
INtwNbl	BIT_1		Internal network number indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : calling_party_number Encoding Variation: Comments : 3.10 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
ScrI	BIT_2		Screening indicator
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
CgPNII	BIT_1		Calling party number incomplete indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments : 1. Only if the parameter is in the optional part of a message.			

Structured Type Definition			
Type Name : calling_partys_category			
Encoding Variation:			
Comments : 3.11 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		1.
CgPC_field	BIT_8		
Detailed Comments : 1. Only if the parameter is in the optional part of a message.			

Structured Type Definition			
Type Name : cause_indicators Encoding Variation: Comments : 3.12 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		
Loc	BIT_4		Location
spare	BIT_1		
CodS	BIT_2		Coding standard
ExtI_1	BIT_1		Extension indicator, always 1
CauseV	BIT_7		Cause value
ExtI_2	BIT_1		Extension indicator, always 1
Diag	BIT_8		Diagnostic(s) 2.
Detailed Comments : 1. Only if the parameter is in the optional part of a message. 2. Diagnostics field can be: <ul style="list-style-type: none"> – CCBS indicator (2.2.6.3/Q.850) – a parameter name (2.2.6.12/Q.850) 			

Structured Type Definition			
Type Name : charged_party_identification Encoding Variation: Comments : 3.75 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ch_pty_contents	OCT_N		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : CCNR_possible_indicator Encoding Variation: Comments : Figure XX/Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CCNRPosInd	BIT_1		CCNR possible indicator
spare	BIT_7		spare
Detailed Comments :			

Structured Type Definition			
Type Name : CCSS_parameter			
Encoding Variation:			
Comments : 3.63 / Q.763 table 60			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CCSCI	BIT_1		CCSS call indicator
spare	BIT_7		spare
Detailed Comments :			

Structured Type Definition			
Type Name : circuit_assignment_map Encoding Variation: Comments : 3.69 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
map_type	BIT_6		
map_format_1	BIT_8		
map_format_2	BIT_8		
map_format_3	BIT_8		
map_format_4	BIT_8		Not used for 1544 kb/s digital path map
Detailed Comments :			

Structured Type Definition			
Type Name : circuit_group_supervision_message_type_indicator Encoding Variation: Comments : 3.13 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
Type1	BIT_2		Type indicator
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : closed_user_group_interlock_code Encoding Variation: Comments : 3.15 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Ntwld	OCT_2		Network identity: '0' or '9' followed by CC (1–3 digits), all BCD zero filled (2 bytes)
BinCode	OCT_2		Binary code (2 bytes)
Detailed Comments : 1. The contents of this parameter are not further subdivided.			

Structured Type Definition			
Type Name : collect_call_request Encoding Variation: Comments : 3.81 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ColCallReqInd	BIT_1		Collect call request indicator
spare	BIT_7		
Detailed Comments :			

Structured Type Definition			
Type Name : conference_treatment_indicators			
Encoding Variation:			
Comments : 3.76 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Conference acceptance indicator
length	OCT_1		
ConfAcclnd	BIT_2		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : connected_number Encoding Variation: Comments : 3.16 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicators
OdEvl	BIT_1		Odd/even indicator
ScrI	BIT_2		Screening indicator
APRI	BIT_2		Address presentation restriction indicator
NbPI	BIT_3		Numbering plan indicator
spare	BIT_1		
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : connection_request			
Encoding Variation:			
Comments : 3.17 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ConRq_contents	OCT_7		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : continuity_indicators			
Encoding Variation:			
Comments : 3.18 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
ContInd_field	BIT_1		Continuity indicator
spare	BIT_7		
Detailed Comments :			

Structured Type Definition			
Type Name : correlation_id			
Encoding Variation:			
Comments : 3.70 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
correlation_id	OCT_N		Coded in Q.1218
Detailed Comments :			

Structured Type Definition			
Type Name : display_information			
Encoding Variation:			
Comments : 3.77 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
DisInf	OCT_N		Display information
Detailed Comments : As described in Q.931			

Structured Type Definition			
Type Name : echo_control_information Encoding Variation: Comments : 3.19 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
OEchoRsl	BIT_2		Outgoing half echo control device response indicator
IEchoRsl	BIT_2		Incoming half echo control device response indicator
OEchoRql	BIT_2		Outgoing half echo control device request indicator
IEchoRql	BIT_2		Incoming half echo control device request indicator
Detailed Comments :			

Structured Type Definition			
Type Name : event_information			
Encoding Variation:			
Comments : 3.21 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
EventI	BIT_7		Event indicator
EvPRI	BIT_1		Event presentation restriction indicator @
Detailed Comments : @: This parameter is for national use only.			

Structured Type Definition			
Type Name : facility_indicator			
Encoding Variation:			
Comments : 3.22 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
FacIc	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : forward_call_indicators Encoding Variation: Comments : 3.23 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
InatCI	BIT_1		National/international call indicator
EEMthI	BIT_2		End-to-end method indicator
IWI	BIT_1		Interworking indicator
EEInI	BIT_1		End-to_end information indicator
ISUPI	BIT_1		ISDN User Part indicator
IPI	BIT_2		ISDN User Part preference indicator
ISDNAI	BIT_1		ISDN access indicator
SCCPMI	BIT_2		SCCP method indicator
spare_1	BIT_1		
spare_2	BIT_4		@
Detailed Comments : @ For national use only			

Structured Type Definition			
Type Name : forward_GVNS Encoding Variation: Comments : 3.66 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
OPSP	BIT_7		Originating participating service provider
GUG	BIT_7		GVNS user group
TNRN	BIT_7		Terminating network routing number
Detailed Comments :			

Structured Type Definition			
Type Name : generic_digits Encoding Variation: Comments : 3.24 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
GenDig_contents	OCT_N		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : generic_notification_indicator			
Encoding Variation:			
Comments : 3.25 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NotInd	BIT_7		Notification indicator
ext	BIT_1		extension indicator ('1'=last octet)
Detailed Comments :			

Structured Type Definition			
Type Name : generic_number Encoding Variation: Comments : 3.26 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Nbqfl	BIT_8		Number qualifier indicator
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
ScrI	BIT_2		Screening indicator
APRI	BIT_2		Address presentation restricted ind.
NbPI	BIT_3		Numbering plan indicator
NbIncl	BIT_1		Number incomplete indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : generic_reference Encoding Variation: Comments : 3.27 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
GenRef_contents	OCT_N		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : hop_counter Encoding Variation: Comments : 3.80 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
hop_counter	BIT_5		Binary value of number of ccts that are allowed
spare	BIT_3		
Detailed Comments :			

Structured Type Definition			
Type Name : information_indicators Encoding Variation: Comments : 3.28 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
CPAddI	BIT_2		Calling party address response indicator
Hold	BIT_1		hold provided indicator
spare	BIT_2		spare
CPCatI	BIT_1		Calling party category response indicator
ChInfl	BIT_1		Charge information response indicator
SolInfl	BIT_1		Solicited information indicator
spareByte	BIT_8		spare
Detailed Comments : @ For national use only			

Structured Type Definition			
Type Name : information_request_indicators Encoding Variation: Comments : 3.29 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
CPAddI	BIT_1		Calling party address request indicator
Hold	BIT_1		holding indicator
spare1	BIT_1		spare
CPCatI	BIT_1		Calling party category request indicator
ChInI	BIT_1		Charge information request indicator
spare2	BIT_2		spare
MCIRI	BIT_1		Malicious call identification request indicator
spare3	BIT_8		spare
Detailed Comments : @ For national use only			

Structured Type Definition			
Type Name : location_number Encoding Variation: Comments : 3.30 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/Even indicator
ScrI	BIT_2		Screening indicator
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
INtwNbl	BIT_1		Internal network number indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : loop_prevention_indicators Encoding Variation: Comments : 3.30A / ETS 300 356-1			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Type	BIT_1		Type (0 – request / 1 – response)
Rspl	BIT_2		Response indicator (if response)
spare	BIT_5		spare
Detailed Comments :			

Structured Type Definition			
Type Name : MCID_request_indicators Encoding Variation: Comments : 3.31 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
MCIDRq	BIT_1		MCID request indicator
HoldI	BIT_1		Holding indicator @
spare	BIT_6		
Detailed Comments : @: This parameter is for national use only.			

Structured Type Definition			
Type Name : MCID_response_indicators			
Encoding Variation:			
Comments : 3.32 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		MCID response indicator Holding indicator @
length	OCT_1		
MCIDRs	BIT_1		
HoldI	BIT_1		
spare	BIT_6		
Detailed Comments : @: This parameter is for national use only.			

Structured Type Definition			
Type Name : message_compatibility_information Encoding Variation: Comments : 3.33 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TrInEI	BIT_1		Transit at intermediate exchange indicator
RIsCI	BIT_1		Release call indicator
SendNfl	BIT_1		Send notification indicator
DMsgI	BIT_1		Discard message indicator
PassNPI	BIT_1		Pass on not possible indicator
spare	BIT_2		
ExtI	BIT_1		Extension indicator 1.
Detailed Comments : 1. In ISUP V2 there is no extention neccessary.			

Structured Type Definition			
Type Name : MLPP_precedence Encoding Variation: Comments : 3.34 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
MLPPpre_contents	OCT_6		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : nature_of_connection_indicators Encoding Variation: Comments : 3.35 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
Satl	BIT_2		Satellite indicator
CntChl	BIT_2		Continuity check indicator
ECDI	BIT_1		Echo control device indicator
spare	BIT_3		
Detailed Comments :			

Structured Type Definition			
Type Name : network_management_controls			
Encoding Variation:			
Comments : 3.68 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		temporary alternate routing indicator
length	OCT_1		
TAR_indicator	BIT_1		
spare	BIT_6		
ExtI	BIT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : network_specific_facility			
Encoding Variation:			
Comments : 3.36 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		
NtwFac_contents	OCT_N		
Detailed Comments :			
1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : optional_backward_call_indicators Encoding Variation: Comments : 3.37 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
InBndInfl	BIT_1		In-band information indicator
CDmo	BIT_1		Call diversion may occur indicator
Sgml	BIT_1		Simple segmentation indicator
MLPPUsrl	BIT_1		MLPP user indicator
spare	BIT_4		
Detailed Comments :			

Structured Type Definition			
Type Name : optional_forward_call_indicators Encoding Variation: Comments : 3.38 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CUGCI	BIT_2		Closed user group call indicator
Sgml	BIT_1		Simple segmentation indicator
spare	BIT_4		
COLRql	BIT_1		Connected line identity request indicator
Detailed Comments :			

Structured Type Definition			
Type Name : original_called_number Encoding Variation: Comments : 3.39 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
spare_1	BIT_2		
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
spare_2	BIT_1		
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : origination_ISC_point_code			
Encoding Variation:			
Comments : 3.40 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
OriISC_contents	OCT_2		1.
Detailed Comments :			

Structured Type Definition			
Type Name : parameter_compatibility_information Encoding Variation: Comments : 3.41 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
UParid_1	BIT_8		Upgraded parameter name
Transl_1	BIT_1		Transit at intermediate exchange indicator
RIsCI_1	BIT_1		Release call indicator
SendNfl_1	BIT_1		Send notification indicator
DMsgl_1	BIT_1		Discard message indicator
DParl_1	BIT_1		Discard parameter indicator
PassNPI_1	BIT_2		Pass on not possible indicator
Extl_1	BIT_1		Extension indicator
UParid_2	BIT_8		
Instrl_2	BIT_7		all instruction indicators for parameter 2
Extl_2	BIT_1		
UParid_3	BIT_8		
Instrl_3	BIT_7		all instruction indicators for parameter 3
Extl_3	BIT_1		
UParid_4	BIT_8		

Continued on next page

Continued from previous page

Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
Instrl_4	BIT_7		all instruction indicators for parameter 4
Extl_4	BIT_1		
UParid_5	BIT_8		
Instrl_5	BIT_7		
Extl_5	BIT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : propagation_delay_counter			
Encoding Variation:			
Comments : 3.42 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Propagation delay value
length	OCT_1		
PDC_field	OCT_2		
Detailed Comments :			

Structured Type Definition			
Type Name : range_and_status			
Encoding Variation:			
Comments : 3.43 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCT_1		
Range	OCT_1		Range
Status	OCT_1_32		Status
Detailed Comments :			

Structured Type Definition			
Type Name : redirecting_number Encoding Variation: Comments : 3.44 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
spare1	BIT_2		
APRI	BIT_2		Address presentation restricted indicator
NbPI	BIT_3		Numbering plan indicator
spare2	BIT_1		
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : redirection_information Encoding Variation: Comments : 3.45 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Rglc	BIT_3		Redirecting indicator
spare_1	BIT_1		
OriRnReas	BIT_4		Original redirection reason
RnCnt	BIT_3		Redirection counter
spare_2	BIT_1		
RgReas	BIT_4		Redirecting reason
Detailed Comments :			

Structured Type Definition			
Type Name : redirection_number Encoding Variation: Comments : 3.46 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatAdrl	BIT_7		Nature of address indicator
OdEvl	BIT_1		Odd/even indicator
spare	BIT_4		spare bits
NbPI	BIT_3		Numbering plan indicator
INtwNbl	BIT_1		Internal network number indicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : redirection_number_restriction Encoding Variation: Comments : 3.47 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
RnNbResl	BIT_2		presentation restricted indicator
spare	BIT_6		spare
Detailed Comments :			

Structured Type Definition			
Type Name : remote_operations Encoding Variation: Comments : 3.48 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
RemOp_contents	OCT_N		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : SCF_id			
Encoding Variation:			
Comments : 3.71 / Q.763 as coded in Q.1218			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
SCF_id	OCT_N		
Detailed Comments :			

Structured Type Definition			
Type Name : service_activation			
Encoding Variation:			
Comments : 3.49 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
FeatCode	BIT_8		Feature code
Detailed Comments :			

Structured Type Definition			
Type Name : signalling_point_code Encoding Variation: Comments : 3.50 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
SPC_contents	OCT_2		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : subsequent_number Encoding Variation: Comments : 3.51 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCT_1		
spare	BIT_7		
OdEvl	BIT_1		Odd/even inicator
AdSg	HEX_N		Address signals
Filler	HEX_0_1		
Detailed Comments :			

Structured Type Definition			
Type Name : suspend_resume_indicators Encoding Variation: Comments : 3.52 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
SusResl spare	BIT_1 BIT_7		Suspend/resume indicator
Detailed Comments :			

Structured Type Definition			
Type Name : transit_network_selection Encoding Variation: Comments : 3.53 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type length TNtwSel_contents	BIT_8 OCT_1 OCT_N		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : transmission_medium_requirement_prime			
Encoding Variation:			
Comments : 3.55 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TMRp_field	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : transmission_medium_used			
Encoding Variation:			
Comments : 3.56 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TMU_field	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : UID_action_indicators			
Encoding Variation:			
Comments : 3.78 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Through connection instruction indicators parameter field T9 timer instruction indicator
length	OCT_1		
ThConInsInd	BIT_1		
T9InsInd	BIT_1		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : UID_capability_indicators			
Encoding Variation:			
Comments : 3.79 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		through connection indicator T9 timer indicator
length	OCT_1		
through_connection_indicator	BIT_1		
T9_timer_indicator	BIT_1		
spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : user_service_information Encoding Variation: Comments : 3.57 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
InfTrC	BIT_5		Information transfer capability
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extension indicator (1)
InfTR	BIT_5		Information transfer rate
TrMod	BIT_2		Transfer mode
Extl_2	BIT_1		Extension indicator (0/1)
RatMul	BIT_7		Rate multiplier
Extl_2a	BIT_1		Extension indicator (1)
UInf1	BIT_5		User information layer 1 protocol
Lay1	BIT_2		Layer identification
Extl_3	BIT_1		Extension indicator (0/1)
UsrRate	BIT_5		User rate
Negot	BIT_1		Negotiation
SynAsyn	BIT_1		Synchronous/Asynchronous
Extl_3a	BIT_1		Extension indicator (0/1)
Bits_3b	BIT_7		Bits for rate adaption V.110/V.120
Extl_3b	BIT_1		Extension indicator (0/1)
Prtty	BIT_3		Parity information

Continued on next page

Continued from previous page

Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
NDatBit	BIT_2		Number of data bits excluding parity bit if present
NStpBit	BIT_2		Number of stop bits
ExtI_3c	BIT_1		Extension indicator (1)
MdmTyp	BIT_6		Modem type
DupMod	BIT_1		Mode duplex
ExtI_3d	BIT_1		Extension indicator (1)
UInf2	BIT_5		User information layer 2 protocol
Lay2	BIT_2		Layer identification
ExtI_4	BIT_1		Extension indicator (1)
UInf3	BIT_5		User information layer 3 protocol
Lay3	BIT_2		Layer identification
ExtI_5	BIT_1		Extension indicator (1)
Detailed Comments :			

Structured Type Definition			
Type Name : user_service_information_prime Encoding Variation: Comments : 3.58 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
InfTrC	BIT_5		Information transfer capability
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extension indicator (1)
InfTR	BIT_5		Information transfer rate
TrMod	BIT_2		Transfer mode
Extl_2	BIT_1		Extension indicator (0/1)
RatMul	BIT_7		Rate multiplier
Extl_2a	BIT_1		Extension indicator (1)
UInf1	BIT_5		User information layer 1 protocol
Lay1	BIT_2		Layer identification
Extl_3	BIT_1		Extension indicator (0/1)
UsrRate	BIT_5		User rate
Negot	BIT_1		Negotiation
SynAsyn	BIT_1		Synchronous/Asynchronous
Extl_3a	BIT_1		Extension indicator (0/1)
Bits_3b	BIT_7		Bits for rate adaption V.110/V.120
Extl_3b	BIT_1		Extension indicator (0/1)
Prtty	BIT_3		Parity information

Continued on next page

Continued from previous page

Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
NDatBit	BIT_2		Number of data bits excluding parity bit if present
NStpBit	BIT_2		Number of stop bits
Extl_3c	BIT_1		Extension indicator (1)
MdmTyp	BIT_6		Modem type
DupMod	BIT_1		Mode duplex
Extl_3d	BIT_1		Extension indicator (1)
UInf2	BIT_5		User information layer 2 protocol
Lay2	BIT_2		Layer identification
Extl_4	BIT_1		Extension indicator (1)
UInf3	BIT_5		User information layer 3 protocol
Lay3	BIT_2		Layer identification
Extl_5	BIT_1		Extension indicator (1)
Detailed Comments :			

Structured Type Definition			
Type Name : user_teleservice_information Encoding Variation: Comments : 3.59 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Pres	BIT_2		Presentation
Interpr	BIT_3		Interpretation
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extention indicator, always 1
HLChrInf	BIT_7		High layer characteristics identification
Extl_2	BIT_1		Extension indicator, (0/1)
ExHLChrInf	BIT_7		Extended high layer characteristics identification
Extl_2a	BIT_1		Extention indicator, always 1
Detailed Comments :			

Structured Type Definition			
Type Name : user_to_user_indicators Encoding Variation: Comments : 3.60 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Type	BIT_1		
Serv1	BIT_2		Service 1
Serv2	BIT_2		Service 2
Serv3	BIT_2		Service 3
NtwDI	BIT_1		Network discard indicator (spare if Type = request)
Detailed Comments :			

Structured Type Definition			
Type Name : user_to_user_information Encoding Variation: Comments : 3.61 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
UUInf_contents	PrintableString		
Detailed Comments :			

Structured Type Definition			
Type Name : unknown_parameter Encoding Variation: Comments :			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
unkn_par_contents	OCT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : BCAP (BEARER CAPABILITY IE) Encoding Variation: Comments : Info Element Bearer CAPability ETS 300 102-1 subclause 4.5.5			
Element Name	Type Definition	Field Encoding	Comments
bcap_i	BITSTRING		Identifier
bcap_l	OCTETSTRING[1]		Length
bcap_con	OCTETSTRING[0..11]		Contents of the bearer capability information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CAU (CAUSE IE)			
Encoding Variation:			
Comments : Info Element CAUse ETS 300 102-1 subclause 4.5.12			
Element Name	Type Definition	Field Encoding	Comments
cau_i	BITSTRING [8]		Identifier
cau_l	BITSTRING [8]		Length
cau_e3_loc	BITSTRING [8]		Location
cau_e4_rec	BITSTRING [8]		Recommendation
cau_e5_cv1	BITSTRING [1]		Extension bit
cau_e5_cv2	BITSTRING [7]		Cause value
cau_di	OCTETSTRING [1 TO 28]		Diagnostics
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CAU_1 (CAUSE IE) Encoding Variation: Comments : Info Element CAUse ETS 300 102-1 clause 4.5.12			
Element Name	Type Definition	Field Encoding	Comments
cau_i	BITSTRING[8]		Identifier
cau_l	BITSTRING [8]		Length
cau_e3_loc	BITSTRING [8]		Location
cau_e4_cv	CAU_E4_CV		Cause Value OCTETSTRING[1]
cau_di	OCTETSTRING [1 TO 28]		Diagnostics
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CAU_E4_CV Encoding Variation: Comments : Info Element CAUse Octet 4			
Element Name	Type Definition	Field Encoding	Comments
cau_e4_cv1	BITSTRING [1]		Extension bit
cau_e4_cv2	BITSTRING [7]		Cause value
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CDPN (CALLED PARTY NUMBER IE) Encoding Variation: Comments : Info Element Called Party Number ETS 300 102-1 subclause 4.5.8			
Element Name	Type Definition	Field Encoding	Comments
cdpn_i	BITSTRING [8]		Identifier
cdpn_l	OCTETSTRING [1]		Length
cdpn_e3_npi	OCTETSTRING [1]		Type of number/Numbering plan identifier
cdpn_e4_nd	OCTETSTRING [1 TO 20]		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CDPS (CALLED PARTY SUBADDRESS IE)			
Encoding Variation:			
Comments : Info Element Called Party Subaddress ETS 300 102-1 clause 4.5.9			
Element Name	Type Definition	Field Encoding	Comments
cdps_i	BITSTRING [8]		Identifier
cdps_l	OCTETSTRING [1]		Length
cdps_e3_tos	BITSTRING [8]		Type of subaddress
cdps_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CGPN (CALLING PARTY NUMBER IE) Encoding Variation: Comments : Info Element CallinG Party Number ETS 300 102-1 subclause 4.5.10			
Element Name	Type Definition	Field Encoding	Comments
cgpn_i	BITSTRING [8]		Identifier
cgpn_l	OCTETSTRING [1]		Length
cgpn_e3_ton	BITSTRING [4]		Type of number
cgpn_e3_npi	BITSTRING [4]		Numbering plan identifier
cgpn_e4_pi	BITSTRING [3]		Presentation indicator
cgpn_e4_si	BITSTRING [5]		Screening indicator
cgpn_e5_nd	HEXSTRING		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CGPS (CALLING PARTY SUBADDRESS IE) Encoding Variation: Comments : Info Element CallinG Party Subaddress ETS 300 102-1 subclause 4.5.11			
Element Name	Type Definition	Field Encoding	Comments
cgps_i	BITSTRING [8]		Identifier
cgps_l	BITSTRING [8]		Length
cgps_e3_tos	BITSTRING [4]		Type of subaddress
cgps_e3_oei	BITSTRING [1]		Odd/even indicator
cgps_e3_sp	BITSTRING [3]		Spare
cgps_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CHI (Channel identification) Encoding Variation: Comments : Information Element CHannel Identification ETS 300 403–1 subclause 4.5.13			
Element Name	Type Definition	Field Encoding	Comments
chi_i (Identifier)	CHI_I		
chi_l (Length)	BITSTRING[8]		
chi_e3_p1	BITSTRING[4]		(1)
chi_e3_pe	BITSTRING[1]		(1)
chi_e3_p3	BITSTRING[3]		(1)
chi_e3_cs	BITSTRING[8]		(2) BITSTRING[8}
chi_e4	BITSTRING[8]		(3)
chi_e5_ch1 (Extension bit)	BITSTRING[1]		(3)
chi_e5_ch2 (Channel number)	BITSTRING[7]		(3) BITSTRING[7]
Detailed Comments : (1) Coding of octet 3 used for primary rate access. (2) Coding of octet 3 used for basic access. (3) The octets 4 and 5 are only used in primary rate access configurations.			

Structured Type Definition			
Type Name : CID (CALLED IDENTITY IE) Encoding Variation: Comments : Info Element Call IDentity ETS 300 102-1 clause 4.5.6			
Element Name	Type Definition	Field Encoding	Comments
cid_i	BITSTRING [8]		Identifier
cid_l	BITSTRING [8]		Length
cid_ci	OCTETSTRING [0 TO 8]		Call identity
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CR (CALL REFERENCE) Encoding Variation: Comments : Call Reference ETS 300 102-1 subclause 4.3			
Element Name	Type Definition	Field Encoding	Comments
cr_l	BITSTRING [8]		Length
cr_f	BITSTRING [1]		Flag
cr_r	BIT7OR15		Call reference value
Detailed Comments : &COMMON_N10 The call reference is of type BITSTRING[7] for basic access and of type BITSTRING[15] for primary rate access.			

Structured Type Definition			
Type Name : CODN (CONNECTED NUMBER IE) Encoding Variation: Comments : Info Element COnnecteD Number ETS 300 97-1 subclause 7.1			
Element Name	Type Definition	Field Encoding	Comments
codn_i	BITSTRING [8]		Identifier
codn_l	OCTETSTRING [1]		Length
codn_e3_ton	BITSTRING [4]		Type of number
codn_e3_npi	BITSTRING [4]		Numbering plan identifier
codn_e4_pi	BITSTRING [3]		Presentation indicator
codn_e4_si	BITSTRING [5]		Screening indicator
codn_e5_nd	HEXSTRING		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : Cods (CONNECTED SUBADDRESS IE)			
Encoding Variation:			
Comments : Info Element COnnecteD Subaddress ETS 300 97-1 subclause 7.2			
Element Name	Type Definition	Field Encoding	Comments
cods_i	BITSTRING [8]		Identifier
cods_l	OCTETSTRING [1]		Length
cods_e3_tos	BITSTRING [4]		Type of subaddress
cods_e3_oei	BITSTRING [1]		Odd/even indicator
cods_e3_sp	BITSTRING [3]		Spare
cods_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CST (CALL STATE IE) Encoding Variation: Comments : Info Element Call State ETS 300 102-1 subclause 4.5.7			
Element Name	Type Definition	Field Encoding	Comments
cst_i	CST_I		Identifier
cst_l	BITSTRING [8]		Length
cst_csv1	BITSTRING [2]		Coding standard
cst_csv2	BITSTRING [6]		Call state value/global interface state value
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : DATI (DATE/TIME IE) Encoding Variation: Comments : Info Element Date/Time ETS 300 102-1 clause 4.6.1			
Element Name	Type Definition	Field Encoding	Comments
dati_i	BITSTRING [8]		Identifier
dati_l	BITSTRING [8]		Length
dati_dt	OCTETSTRING [0 TO 5]		Date/time value
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : FA (FACILITY IE) Encoding Variation: Comments : Info Element FACility ETS 300 196-1 subclause 11			
Element Name	Type Definition	Field Encoding	Comments
fac_i	FAC_I		Identifier
fac_l	OCTETSTRING[1]		Length
fac_pp_inv	FAC_PP_INV		Protocol profile, invoke component tag
fac_con	OCTETSTRING[6..250]		Rest of component
Detailed Comments :			

Structured Type Definition			
Type Name : HLC (HIGH LAYER COMPATIBILITY IE) Encoding Variation: Comments : Info Element High Layer Compatibility ETS 300 102-1 subclause 4.5.16			
Element Name	Type Definition	Field Encoding	Comments
hlc_i	BITSTRING [8]		Identifier
hlc_l	OCTETSTRING[1]		Length
hlc_con	OCTETSTRING[0..3]		Contents of the high layer compatibility information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : KPF (KEYPAD FACILITY IE) Encoding Variation: Comments : Info Element KeyPad Facility ETS 300 102-1 subclause 4.5.17			
Element Name	Type Definition	Field Encoding	Comments
kpf_i	BITSTRING [8]		Identifier
kpf_l	BITSTRING [8]		Length
kpf_ki	OCTETSTRING [0 TO 32]		Keypad information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : LLC (LOW LAYER COMPATIBILITY IE) Encoding Variation: Comments : Info Element Low Layer Compatibility ETS 300 102-1 subclause 4.5.18			
Element Name	Type Definition	Field Encoding	Comments
llc_i	BITSTRING [8]		Identifier
llc_l	OCTETSTRING[1]		Length
llc_con	OCTETSTRING[0..14]		Contents of the low layer compatibility information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : NOID (NOTIFICATION INDICATOR IE) Encoding Variation: Comments : Info Element NOTification InDicator ETS 300 102-1 subclause 4.5.21			
Element Name	Type Definition	Field Encoding	Comments
noid_i	BITSTRING [8]		Identifier
noid_l	BITSTRING [8]		Length
noid_e3_nd	OCTETSTRING [1]		Notification description
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : NSF (NETWORK-SPECIFIC FACILITIES IE) Encoding Variation: Comments : Info Element Network-Specific Facilities ETS 300 102-1 clause 4.5.20			
Element Name	Type Definition	Field Encoding	Comments
nsf_i	BITSTRING [8]		Identifier
nsf_l	BITSTRING [8]		Length
nsf_lni	BITSTRING [8]		Length of network identification
nsf_toni	BITSTRING [4]		Type of network identification
nsf_nip	BITSTRING [4]		Network identification plan
nsf_ni	OCTETSTRING		Network identification
nsf_nsfs	OCTETSTRING		Network-specific facility specification
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : PI (PROGRESS INDICATOR IE)			
Encoding Variation:			
Comments : Info Element Progress Indicator ETS 300 102-1 subclause 4.5.22			
Element Name	Type Definition	Field Encoding	Comments
pi_i	BITSTRING [8]		Identifier
pi_l	BITSTRING [8]		Length
pi_e3_loc	BITSTRING [8]		Location
pi_e4_pd	BITSTRING [8]		Progress description
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : RI (RESTART INDICATOR IE)			
Encoding Variation:			
Comments : Info Element Restart Indicator ETS 300 102-1 subclause 4.5.24			
Element Name	Type Definition	Field Encoding	Comments
ri_i	BITSTRING [8]		Identifier
ri_l	BITSTRING [8]		Length
ri_cl	BITSTRING [5]		Fixed value '10000'B
ri_cl1	BITSTRING [3]		Class
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : RNGN (REDIRECTING NUMBER IE) Encoding Variation: Comments : Info Element RedirectiNG Number ETS 300 207 subclause 7.2.2			
Element Name	Type Definition	Field Encoding	Comments
rngn_i	BITSTRING [8]		Identifier
rngn_l	OCTETSTRING [1]		Length
rngn_e3_ton	BITSTRING [4]		Type of number
rngn_e3_npi	BITSTRING [4]		Numbering plan identifier
rngn_e4_pi	BITSTRING [3]		Presentation indicator
rngn_e4_sp	BITSTRING [5]		Spare
rngn_e5_sp	BITSTRING [4]		Spare
rngn_e5_rfd	BITSTRING [4]		Reason for diversion
rngn_e6_nd	OCTETSTRING [1 TO 20]		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : RONN (REDIRECTION NUMBER IE) Encoding Variation: Comments : Info Element Redirection Number ETS 300 207-1 subclause 7.2.3			
Element Name	Type Definition	Field Encoding	Comments
ronn_i	BITSTRING [8]		Identifier
ronn_l	OCTETSTRING [1]		Length
ronn_e3_ton	BITSTRING [4]		Type of number
ronn_e3_npi	BITSTRING [4]		Numbering plan identifier
ronn_e4_pi	BITSTRING [3]		Presentation indicator
ronn_e4_sp	BITSTRING [5]		Spare
ronn_e5_nd	HEX_N		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : TNS (TRANSIT NETWORK SELECTION IE) Encoding Variation: Comments : Info Element Transit Network Selection ETS 300 102-1 subclause 4.5.28			
Element Name	Type Definition	Field Encoding	Comments
tns_i	BITSTRING [8]		Identifier
tns_l	BITSTRING [8]		Length
tns_toni	BITSTRING [4]		Type of network identification
tns_nip	BITSTRING [4]		Network identification plan
tns_ni	OCTETSTRING [0 TO 251]		Network identification
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : UUI (USER USER INFORMATION IE) Encoding Variation: Comments : Info Element User–User ETS 300 102–1 subclause 4.5.29			
Element Name	Type Definition	Field Encoding	Comments
uui_i	BITSTRING [8]		Identifier
uui_l	BITSTRING [8]		Length
uui_pd	BITSTRING [8]		Protocol discriminator
uui_uic	OCTETSTRING [0 TO 128]		User information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : DSP (DISPLAY IE) Encoding Variation: Comments : Info Element DiSPlay ETS 300 102–1 subclause 4.5.15			
Element Name	Type Definition	Field Encoding	Comments
dsp_i	BITSTRING [8]		Identifier
dsp_l	BITSTRING [8]		Length
dsp_di	OCTETSTRING [0 TO 32]		Display information
Detailed Comments : &COMMON_N10			

ASN.1 Type Definition	
Type Name	: ASN1_ANY
Encoding Variation:	
Comments	:
Type Definition	
ANY	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ASN1_OCT_1
Encoding Variation:	
Comments	: Octetstring with length 1
Type Definition	
OCTET STRING (SIZE(1))	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ASN1_INT
Encoding Variation:	
Comments	: Integer
Type Definition	
INTEGER	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: AspType
Encoding Variation:	
Comments	: Primitive type for the TCAP primitive
Type Definition	
ASN1_OCT_1	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : ActivationDiversion_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { activationDiversiOn_InvokeComp [1] IMPLICIT ActivationDiversiOn_InvokeComponent, activationDiversiOn_ReturnResultComp [2] IMPLICIT ActivationDiversiOn_ReturnResultComponent, activationDiversiOn_ReturnErrorComp [3] IMPLICIT ActivationDiversiOn_ReturnErrorComponent, activationDiversiOn_RejectComp [4] IMPLICIT RejectComponent } -- This is the ActivationDiversiOn InvokeComponent -- ActivationDiversiOn_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the ActivationDiversiOn ReturnResultComponent -- ActivationDiversiOn_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result field with this return result comp -- This is the ActivationDiversiOn ReturnErrorComponent -- ActivationDiversiOn_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= SEQUENCE { procedure Procedure, basicService BasicService, forwardedToAddress Address, servedUserNr ServedUserNr } </pre>
Detailed Comments :

ASN.1 Type Definition**Type Name** : ActivationStatusNotificationDiv_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { activationStatusNotificationDiv_InvokeComp [1] IMPLICIT ActivationStatusNotificationDiv_InvokeComponent, activationStatusNotificationDiv_ReturnResultComp [2] IMPLICIT ActivationStatusNotificationDiv_ReturnResultComponent, activationStatusNotificationDiv_ReturnErrorComp [3] IMPLICIT ActivationStatusNotificationDiv_ReturnErrorComponent, activationStatusNotificationDiv_RejectComp [4] IMPLICIT RejectComponent } -- This is the ActivationStatusNotificationDiv InvokeComponent -- ActivationStatusNotificationDiv_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the ActivationStatusNotificationDiv ReturnResultComponent -- ActivationStatusNotificationDiv_ReturnResultComponent ::= NULL -- This is the ActivationStatusNotificationDiv ReturnErrorComponent -- ActivationStatusNotificationDiv_ReturnErrorComponent ::= NULL -- Common (local) type elements -- Argument ::= SEQUENCE { procedure Procedure, basicService BasicService, forwardedToAddress Address, servedUserNr ServedUserNr } </pre>
Detailed Comments :

ASN.1 Type Definition**Type Name** : AddCONF_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre>CHOICE { addCONF_InvokeComp [1] IMPLICIT AddCONF_InvokeComponent, addCONF_ReturnResultComp [2] IMPLICIT AddCONF_ReturnResultComponent, addCONF_ReturnErrorComp [3] IMPLICIT AddCONF_ReturnErrorComponent, addCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the AddCONF InvokeComponent -- AddCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" not used in SSs operation_value Operation, argument Argument OPTIONAL } -- This is the AddCONF ReturnResultComponent -- AddCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result Result } OPTIONAL } -- This is the AddCONF ReturnErrorComponent -- AddCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= Conferenceld Result ::= PartyId</pre>
Detailed Comments :

ASN.1 Type Definition	
Type Name	: Address
Encoding Variation:	
Comments	:
Type Definition	
SEQUENCE {	PartyNumber,
partyNumber	PartySubaddress OPTIONAL}
partySubaddress	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: AddressScreened
Encoding Variation:	
Comments	:
Type Definition	
SEQUENCE {	PartyNumber,
partyNumber	ScreeningIndicator,
screeningIndicator	PartySubaddress OPTIONAL}
partySubaddress	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: BIT7OR15_old
Encoding Variation:	
Comments	: A BIT STRING type being of length 7 or 15 used to store the call reference value.
Type Definition	
BIT STRING (SIZE(7..15))	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: BasicService
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED { allServices (0), speech (1), unrestrictedDigitalInformation (2), audio3k1Hz (3), unrestrictedDigitalInformationWithTonesAndAnnouncements (4), telephony3k1Hz (32), teletex (33), telefaxGroup4Class1 (34), videotexSyntaxBased (35), videotelephony (36), telefaxGroup2_3 (37), telephony7kHz (38)}	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : BeginCONF_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { beginCONF_InvokeComp [1] IMPLICIT BeginCONF_InvokeComponent, beginCONF_ReturnResultComp [2] IMPLICIT BeginCONF_ReturnResultComponent, beginCONF_ReturnErrorComp [3] IMPLICIT BeginCONF_ReturnErrorComponent, beginCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the BeginCONF InvokeComponent -- BeginCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in supplementary services operation_value Operation, argument Argument OPTIONAL } -- This is the BeginCONF ReturnResultComponent -- BeginCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result Result } OPTIONAL } -- This is the BeginCONF ReturnErrorComponent -- BeginCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= ConfSize -- optional (check) Result ::= SEQUENCE { conferenceld Conferenceld , partyId PartyId OPTIONAL } </pre>

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition	
Type Name	: BeginPTY3_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { beginPTY3_InvokeComp [1] IMPLICIT BeginPTY3_InvokeComponent, beginPTY3_ReturnResultComp [2] IMPLICIT BeginPTY3_ReturnResultComponent, beginPTY3_ReturnErrorComp [3] IMPLICIT BeginPTY3_ReturnErrorComponent, beginPTY3_RejectComp [4] IMPLICIT RejectComponent } -- This is the BeginPTY3 InvokeComponent -- BeginPTY3_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in supplementary services operation_value Operation } -- This is the BeginPTY3 ReturnResultComponent -- BeginPTY3_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here -- This is the BeginPTY3 ReturnErrorComponent -- BeginPTY3_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error }</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CCBSBFree_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBSBFree_InvokeComp [1] IMPLICIT CCBSBFree_InvokeComponent, cCBSBFree_ReturnResultComp [2] IMPLICIT CCBSBFree_ReturnResultComponent, cCBSBFree_ReturnErrorComp [3] IMPLICIT CCBSBFree_ReturnErrorComponent, cCBSBFree_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBSBFree InvokeComponent -- CCBSBFree_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the CCBSBFree ReturnResultComponent -- CCBSBFree_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBSBFree ReturnErrorComponent -- CCBSBFree_ReturnErrorComponent ::= NULL -- no ERROR specified -- Common (local) type elements -- Argument ::= SEQUENCE { recallMode RecallMode, cCBSReference CCBSReference, addressOfB Address, q931InfoElement Q931InformationElement -- BCAP/HLC/LLC embedded } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CCBSCall_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBSCall_InvokeComp [1] IMPLICIT CCBSCall_InvokeComponent, cCBSCall_ReturnResultComp [2] IMPLICIT CCBSCall_ReturnResultComponent, cCBSCall_ReturnErrorComp [3] IMPLICIT CCBSCall_ReturnErrorComponent, cCBSCall_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBSCall InvokeComponent -- CCBSCall_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the CCBSCall ReturnResultComponent -- CCBSCall_ReturnResultComponent ::= NULL -- This is the CCBSCall ReturnErrorComponent -- CCBSCall_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= CCBSReference </pre>	
Detailed Comments :	

ASN.1 Type Definition

Type Name : CCBSDeactivate_Components

Encoding Variation:

Comments :

Type Definition

```
CHOICE {
  cCBSDeactivate_InvokeComp    [1] IMPLICIT CCBSDeactivate_InvokeComponent,
  cCBSDeactivate_ReturnResultComp [2] IMPLICIT CCBSDeactivate_ReturnResultComponent,
  cCBSDeactivate_ReturnErrorComp [3] IMPLICIT CCBSDeactivate_ReturnErrorComponent,
  cCBSDeactivate_RejectComp     [4] IMPLICIT RejectComponent }
```

-- This is the CCBSDeactivate InvokeComponent --

```
CCBSDeactivate_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value Operation,
  argument      Argument OPTIONAL }
```

-- This is the CCBSDeactivate ReturnResultComponent --

```
CCBSDeactivate_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation } OPTIONAL }
```

-- This is the CCBSDeactivate ReturnErrorComponent --

```
CCBSDeactivate_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error Error }
```

-- Common (local) type elements --

```
Argument ::= CCBSReference
```

Continued on next page

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : CCBSEraseReason Encoding Variation: Comments :
Type Definition
ENUMERATED { normal_unspecified (0), t_CCBS2_timeout (1), t_CCBS3_timeout (2), basic_call_failed (3) }
Detailed Comments :

ASN.1 Type Definition**Type Name** : CCBSErase_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  cCBSErase_InvokeComp    [1] IMPLICIT CCBSErase_InvokeComponent,
  cCBSErase_ReturnResultComp [2] IMPLICIT CCBSErase_ReturnResultComponent,
  cCBSErase_ReturnErrorComp [3] IMPLICIT CCBSErase_ReturnErrorComponent,
  cCBSErase_RejectComp    [4] IMPLICIT RejectComponent }

-- This is the CCBSErase InvokeComponent --
CCBSErase_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value   Operation,
  argument          Argument  OPTIONAL }

-- This is the CCBSErase ReturnResultComponent --
CCBSErase_ReturnResultComponent ::= NULL      -- no RESULT specified

-- This is the CCBSErase ReturnErrorComponent --
CCBSErase_ReturnErrorComponent ::= NULL      -- no ERROR specified

-- Common (local) type elements --
Argument ::= SEQUENCE { recallMode      RecallMode,
                        cCBSReference   CCBSReference,
                        addressOfB      Address,
                        q931InfoElement Q931InformationElement, -- BCAP/HLC/LLC embedded
                        eraseReason     CCBSEraseReason }

-- CCBSEraseReason ::= ENUMERATED { normal_unspecified (0),
--                                t_CCBS2_timeout   (1),
--                                t_CCBS3_timeout   (2),
--                                basic_call_failed (3) }

```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition**Type Name** : CCBSInterrogate_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  cCBSInterrogate_InvokeComp    [1] IMPLICIT CCBSInterrogate_InvokeComponent,
  cCBSInterrogate_ReturnResultComp [2] IMPLICIT CCBSInterrogate_ReturnResultComponent,
  cCBSInterrogate_ReturnErrorComp [3] IMPLICIT CCBSInterrogate_ReturnErrorComponent,
  cCBSInterrogate_RejectComp    [4] IMPLICIT RejectComponent }
```

-- This is the CCBSInterrogate InvokeComponent --

```
CCBSInterrogate_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value   Operation,
  argument          Argument  OPTIONAL }
```

-- This is the CCBSInterrogate ReturnResultComponent --

```
CCBSInterrogate_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }
```

-- This is the CCBSInterrogate ReturnErrorComponent --

```
CCBSInterrogate_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error    Error }
```

-- Common (local) type elements --

```
Argument ::= SEQUENCE { cCBSReference    CCBSReference OPTIONAL,
                        partyNumberOfA    PartyNumber  OPTIONAL }
```

```
Result ::= SEQUENCE { recallMode      RecallMode,
                      callDetails     CallDetails OPTIONAL }
```

```
CallDetails ::= SEQUENCE OF CallInformation (SIZE(1..5))
```

Continued on next page

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : CCBSReference Encoding Variation: Comments :
Type Definition
INTEGER (0..128)
Detailed Comments : Values allowed: 0–127. Value 128 indicate that no CCBS reference is in use.

ASN.1 Type Definition**Type Name** : CCBSRemoteUserFree_Components**Encoding Variation:****Comments** :**Type Definition**

```
CHOICE {
  cCBSRemoteUserFree_InvokeComp    [1] IMPLICIT CCBSRemoteUserFree_InvokeComponent,
  cCBSRemoteUserFree_ReturnResultComp [2] IMPLICIT CCBSRemoteUserFree_ReturnResultComponent,
  cCBSRemoteUserFree_ReturnErrorComp [3] IMPLICIT CCBSRemoteUserFree_ReturnErrorComponent,
  cCBSRemoteUserFree_RejectComp    [4] IMPLICIT RejectComponent }
```

```
-- This is the CCBSRemoteUserFree InvokeComponent --
```

```
CCBSRemoteUserFree_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value    Operation,
  argument           Argument  OPTIONAL }
```

```
-- This is the CCBSRemoteUserFree ReturnResultComponent --
```

```
CCBSRemoteUserFree_ReturnResultComponent ::= NULL      -- no RESULT specified
```

```
-- This is the CCBSRemoteUserFree ReturnErrorComponent --
```

```
CCBSRemoteUserFree_ReturnErrorComponent ::= NULL      -- no ERROR specified
```

```
-- Common (local) type elements --
```

```
Argument ::= SEQUENCE { recallMode      RecallMode,
  cCBSReference    CCBSReference,
  addressOfB       Address,
  q931InfoElement  Q931InformationElement -- BCAP/HLC/LLC embedded
}
```

Detailed Comments :

ASN.1 Type Definition**Type Name** : CCBSStatusRequest_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  cCBSStatusRequest_InvokeComp    [1] IMPLICIT CCBSStatusRequest_InvokeComponent,
  cCBSStatusRequest_ReturnResultComp [2] IMPLICIT CCBSStatusRequest_ReturnResultComponent,
  cCBSStatusRequest_ReturnErrorComp [3] IMPLICIT CCBSStatusRequest_ReturnErrorComponent,
  cCBSStatusRequest_RejectComp    [4] IMPLICIT RejectComponent }

-- This is the CCBSStatusRequest InvokeComponent --
CCBSStatusRequest_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value    Operation,
  argument           Argument  OPTIONAL }

-- This is the CCBSStatusRequest ReturnResultComponent --
CCBSStatusRequest_ReturnResultComponent ::= SEQUENCE {
  invokeID          InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }

-- This is the CCBSStatusRequest ReturnErrorComponent --
CCBSStatusRequest_ReturnErrorComponent ::= NULL      -- no ERROR specified

-- Common (local) type elements --
Argument ::= SEQUENCE { recallMode      RecallMode,
                        cCBSReference    CCBSReference,
                        q931InfoElement  Q931InformationElement -- BCAP/HLC/LLC embedded
                        }

Result ::= BOOLEAN      -- {free(TRUE), busy(FALSE)} -- check this

```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition	
Type Name	: CCBSSStopAlerting_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBSSStopAlerting_InvokeComp [1] IMPLICIT CCBSSStopAlerting_InvokeComponent, cCBSSStopAlerting_ReturnResultComp [2] IMPLICIT CCBSSStopAlerting_ReturnResultComponent, cCBSSStopAlerting_ReturnErrorComp [3] IMPLICIT CCBSSStopAlerting_ReturnErrorComponent, cCBSSStopAlerting_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBSSStopAlerting InvokeComponent -- CCBSSStopAlerting_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the CCBSSStopAlerting ReturnResultComponent -- CCBSSStopAlerting_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBSSStopAlerting ReturnErrorComponent -- CCBSSStopAlerting_ReturnErrorComponent ::= NULL -- no ERROR specified -- Common (local) type elements -- Argument ::= CCBSSReference </pre>	
Detailed Comments	:

ASN.1 Type Definition	
Type Name	: CCBS_T_Available_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBS_T_Available_InvokeComp [1] IMPLICIT CCBS_T_Available_InvokeComponent, cCBS_T_Available_ReturnResultComp [2] IMPLICIT CCBS_T_Available_ReturnResultComponent, cCBS_T_Available_ReturnErrorComp [3] IMPLICIT CCBS_T_Available_ReturnErrorComponent, cCBS_T_Available_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBS_T_Available InvokeComponent -- CCBS_T_Available_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument specified -- This is the CCBS_T_Available ReturnResultComponent -- CCBS_T_Available_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBS_T_Available ReturnErrorComponent -- CCBS_T_Available_ReturnErrorComponent ::= NULL -- no ERROR specified -- No Common (local) type elements -- </pre>	
Detailed Comments	:

ASN.1 Type Definition	
Type Name	: CCBS_T_Call_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBS_T_Call_InvokeComp [1] IMPLICIT CCBS_T_Call_InvokeComponent, cCBS_T_Call_ReturnResultComp [2] IMPLICIT CCBS_T_Call_ReturnResultComponent, cCBS_T_Call_ReturnErrorComp [3] IMPLICIT CCBS_T_Call_ReturnErrorComponent, cCBS_T_Call_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBS_T_Call InvokeComponent -- CCBS_T_Call_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument specified -- This is the CCBS_T_Call ReturnResultComponent -- CCBS_T_Call_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBS_T_Call ReturnErrorComponent -- CCBS_T_Call_ReturnErrorComponent ::= NULL -- no ERROR specified -- No Common (local) type elements -- </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CCBS_T_RemoteUserFree_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { cCBS_T_RemoteUserFree_InvokeComp [1] IMPLICIT CCBS_T_RemoteUserFree_InvokeComponent, cCBS_T_RemoteUserFree_ReturnResultComp [2] IMPLICIT CCBS_T_RemoteUserFree_ReturnResultComponent, cCBS_T_RemoteUserFree_ReturnErrorComp [3] IMPLICIT CCBS_T_RemoteUserFree_ReturnErrorComponent, cCBS_T_RemoteUserFree_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBS_T_RemoteUserFree InvokeComponent -- CCBS_T_RemoteUserFree_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument specified -- This is the CCBS_T_RemoteUserFree ReturnResultComponent -- CCBS_T_RemoteUserFree_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBS_T_RemoteUserFree ReturnErrorComponent -- CCBS_T_RemoteUserFree_ReturnErrorComponent ::= NULL -- no ERROR specified -- No Common (local) type elements --</pre>	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : CCBS_T_Request_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  cCBS_T_Request_InvokeComp    [1] IMPLICIT CCBS_T_Request_InvokeComponent,
  cCBS_T_Request_ReturnResultComp [2] IMPLICIT CCBS_T_Request_ReturnResultComponent,
  cCBS_T_Request_ReturnErrorComp [3] IMPLICIT CCBS_T_Request_ReturnErrorComponent,
  cCBS_T_Request_RejectComp    [4] IMPLICIT RejectComponent }
```

```
-- This is the CCBS_T_Request InvokeComponent --
```

```
CCBS_T_Request_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value    Operation,
  argument           Argument  OPTIONAL }
```

```
-- This is the CCBS_T_Request ReturnResultComponent --
```

```
CCBS_T_Request_ReturnResultComponent ::= SEQUENCE {
  invokeID          InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }
```

```
-- This is the CCBS_T_Request ReturnErrorComponent --
```

```
CCBS_T_Request_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error   Error }
```

```
-- Common (local) type elements --
```

```
Argument ::= SEQUENCE { destinationAddress  Address,
                          q931InfoElement   Q931InformationElement, -- BCAP/HLC/LLC embedded
                          retentionSupported [1] IMPLICIT BOOLEAN DEFAULT FALSE,
                          presentationAllowedIndicator [2] IMPLICIT BOOLEAN OPTIONAL,
                          originatingAddress Address OPTIONAL
                          -- last two items are required for prETS 300 195 – interaction with CLIP
}
```

232

```
Result ::= retentionSupported
retentionSupported ::= BOOLEAN -- DEFAULT FALSE – check this
```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition	
Type Name	: CCBS_T_Resume_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { cCBS_T_Resume_InvokeComp [1] IMPLICIT CCBS_T_Resume_InvokeComponent, cCBS_T_Resume_ReturnResultComp [2] IMPLICIT CCBS_T_Resume_ReturnResultComponent, cCBS_T_Resume_ReturnErrorComp [3] IMPLICIT CCBS_T_Resume_ReturnErrorComponent, cCBS_T_Resume_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBS_T_Resume InvokeComponent -- CCBS_T_Resume_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument specified -- This is the CCBS_T_Resume ReturnResultComponent -- CCBS_T_Resume_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBS_T_Resume ReturnErrorComponent -- CCBS_T_Resume_ReturnErrorComponent ::= NULL -- no ERROR specified -- No Common (local) type elements --</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CCBS_T_Suspend_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { cCBS_T_Suspend_InvokeComp [1] IMPLICIT CCBS_T_Suspend_InvokeComponent, cCBS_T_Suspend_ReturnResultComp [2] IMPLICIT CCBS_T_Suspend_ReturnResultComponent, cCBS_T_Suspend_ReturnErrorComp [3] IMPLICIT CCBS_T_Suspend_ReturnErrorComponent, cCBS_T_Suspend_RejectComp [4] IMPLICIT RejectComponent } -- This is the CCBS_T_Suspend InvokeComponent -- CCBS_T_Suspend_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument specified -- This is the CCBS_T_Suspend ReturnResultComponent -- CCBS_T_Suspend_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CCBS_T_Suspend ReturnErrorComponent -- CCBS_T_Suspend_ReturnErrorComponent ::= NULL -- no ERROR specified -- No Common (local) type elements -- </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CHI_old
Encoding Variation:	
Comments	: Info Element CHannel Identification ETS 300 102-1 clause 4.5.13
Type Definition	
<pre>CHOICE { basic BASIC_CHI, primary PRIMARY_CHI } -- Local Type Definitions -- BASIC_CHI ::= SEQUENCE { chi_i CHI_I, -- Identifier chi_l BIT STRING (SIZE(8)), -- Length chi_e3_cs BIT STRING (SIZE(8)) -- Cannel selection } PRIMARY_CHI ::= SEQUENCE { chi_i CHI_I, -- Identifier chi_l BIT STRING (SIZE(8)), -- Length chi_e3_p1 BIT STRING (SIZE(4)), -- First nibble of Channel selection chi_e3_pe BIT STRING (SIZE(1)), -- Preferred/Exclusive Bit chi_e3_p3 BIT STRING (SIZE(3)), -- Last three bit of Channel selection chi_e4 BIT STRING (SIZE(8)), -- Channel type chi_e5_ch1 BIT STRING (SIZE(1)), chi_e5_ch2 BIT STRING (SIZE(7)) -- Channel number }</pre>	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: CHI_I
Encoding Variation:	
Comments	: Identifier for the Channel identification information element.
Type Definition	
BIT STRING('00011000'B)	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition**Type Name** : CUGCall_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { cUGCall_InvokeComp [1] IMPLICIT CUGCall_InvokeComponent, cUGCall_ReturnResultComp [2] IMPLICIT CUGCall_ReturnResultComponent, cUGCall_ReturnErrorComp [3] IMPLICIT CUGCall_ReturnErrorComponent, cUGCall_RejectComp [4] IMPLICIT RejectComponent } -- This is the CUGCall InvokeComponent -- CUGCall_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, operation_value Operation, -- value for CUGCall is (2) argument ARGUMENT OPTIONAL } -- This is the CUGCall ReturnResultComponent -- CUGCall_ReturnResultComponent ::= NULL -- no such component for CUGCall -- This is the CUGCall ReturnErrorComponent -- CUGCall_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error CUG_Error } CUG_Error ::= Error ARGUMENT ::= SEQUENCE { oARequested OARequested , cUGIndex CUGIndex OPTIONAL } OARequested ::= [1] IMPLICIT BOOLEAN CUGIndex ::= [2] IMPLICIT INTEGER (0 .. 32767) </pre>
Detailed Comments :

ASN.1 Type Definition	
Type Name	: CallDeflection_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { callDeflection_InvokeComp [1] IMPLICIT CallDeflection_InvokeComponent, callDeflection_ReturnResultComp [2] IMPLICIT CallDeflection_ReturnResultComponent, callDeflection_ReturnErrorComp [3] IMPLICIT CallDeflection_ReturnErrorComponent, callDeflection_RejectComp [4] IMPLICIT RejectComponent } -- This is the CallDeflection InvokeComponent -- CallDeflection_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument } -- This is the CallDeflection ReturnResultComponent -- CallDeflection_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result field with this return result comp -- This is the CallDeflection ReturnErrorComponent -- CallDeflection_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= SEQUENCE { deflectionAddress Address, presentationAllowedDivertedToUser PresentationAllowedIndicator } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CallInfoRetain_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { callInfoRetain_InvokeComp [1] IMPLICIT CallInfoRetain_InvokeComponent, callInfoRetain_ReturnResultComp [2] IMPLICIT CallInfoRetain_ReturnResultComponent, callInfoRetain_ReturnErrorComp [3] IMPLICIT CallInfoRetain_ReturnErrorComponent, callInfoRetain_RejectComp [4] IMPLICIT RejectComponent } -- This is the CallInfoRetain InvokeComponent -- CallInfoRetain_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the CallInfoRetain ReturnResultComponent -- CallInfoRetain_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the CallInfoRetain ReturnErrorComponent -- CallInfoRetain_ReturnErrorComponent ::= NULL -- no ERROR specified -- Common (local) type elements -- Argument ::= CallLinkageID</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CallInformation
Encoding Variation:	
Comments	:
Type Definition	
SEQUENCE { addressOfB Address, q931InfoElement Q931InformationElement, -- BCAP/HLC/LLC embedded cCBSReference CCBSReference, subAddressOfA PartySubaddress OPTIONAL }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CallLinkIDType
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (0 .. 127)	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CallLinkageID
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (0..127)	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : CallRerouteing_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { callRerouting_InvokeComp [1] IMPLICIT CallRerouting_InvokeComponent, callRerouting_ReturnResultComp [2] IMPLICIT CallRerouting_ReturnResultComponent, callRerouting_ReturnErrorComp [3] IMPLICIT CallRerouting_ReturnErrorComponent, callRerouting_RejectComp [4] IMPLICIT RejectComponent } -- This is the CallRerouting InvokeComponent -- CallRerouting_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the CallRerouting ReturnResultComponent -- CallRerouting_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result field with this return result comp -- This is the CallRerouting ReturnErrorComponent -- CallRerouting_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= SEQUENCE { reroutingReason DiversionReason, calledAddress Address, reroutingCounter DiversionCounter, q931InfoElement Q931InformationElement, lastReroutingNr [1] PresentedNumberUnscreened, subscriptionOption [2] IMPLICIT SubscriptionOption DEFAULT noNotification, callingPartySubaddress [3] PartySubaddress OPTIONAL } </pre>

Continued on next page

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : Cause Encoding Variation: Comments :
Type Definition
CHOICE { signallingNetworkCongested SEQUENCE { level INTEGER OPTIONAL }, userPartUnavailabilityUnknown NULL, userPartUnavailabilityUnequippedRemoteUser NULL, userPartUnavailabilityInaccessibleRemoteUser NULL }
Detailed Comments :

ASN.1 Type Definition**Type Name** : Component**Encoding Variation:****Comments** : ASN1_Encoding: BER
The collection of all possible components for CONF ss*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  beginPTY3_Components      BeginPTY3_Components ,
  endPTY3_Components        EndPTY3_Components ,
  callInfoRetain_Components  CallInfoRetain_Components,
  eraseCallLinkageID_Components  EraseCallLinkageID_Components,
  cCBSRequest_Components     CCBSRequest_Components,
  cCBSInterrogate_Components CCBSInterrogate_Components,
  cCBSDeactivate_Components  CCBSDeactivate_Components,
  cCBSErase_Components       CCBSErase_Components,
  cCBSRemoteUserFree_Components  CCBSRemoteUserFree_Components,
  cCBSBFree_Components       CCBSBFree_Components,
  cCBSCall_Components        CCBSCall_Components,
  cCBSStatusRequest_Components  CCBSStatusRequest_Components,
  statusRequest_Components   StatusRequest_Components,
  cCBSStopAlerting_Components  CCBSStopAlerting_Components,
  cCBS_T_Call_Components       CCBS_T_Call_Components,
  cCBS_T_Suspend_Components    CCBS_T_Suspend_Components,
  cCBS_T_Request_Components    CCBS_T_Request_Components,
  cCBS_T_Resume_Components     CCBS_T_Resume_Components,
  cCBS_T_RemoteUserFree_Components  CCBS_T_RemoteUserFree_Components,
  cCBS_T_Available_Components  CCBS_T_Available_Components,
  invalidCCBSInterrogate_Components  InvalidCCBSInterrogate_Components,
  activationDiversion_Components  ActivationDiversion_Components,
  deactivationDiversion_Components  DeactivationDiversion_Components,
  activationStatusNotificationDiv_Components  ActivationStatusNotificationDiv_Components,
  deactivationStatusNotificationDiv_Components  DeactivationStatusNotificationDiv_Components,
  interrogationDiversion_Components  InterrogationDiversion_Components,
  interrogateServedUserNumbers_Components  InterrogateServedUserNumbers_Components,
  diversionInformation_Components  DiversionInformation_Components,
  callDeflection_Components       CallDeflection_Components,
  callRerouteing_Components       CallRerouteing_Components,
  divertingLegInformation1_Components  DivertingLegInformation1_Components,
  divertingLegInformation2_Components  DivertingLegInformation2_Components,
  divertingLegInformation3_Components  DivertingLegInformation3_Components,
  cUGCall_Components             CUGCall_Components,
  ectExecute_Components          EctExecute_Components ,

```

Continued from previous page

ASN.1 Type Definition
Detailed Comments : plural (componentS) as each type represents invoke, return result, return error etc.

ASN.1 Type Definition
Type Name : Components Encoding Variation: Comments :
Type Definition
SET OF Component
Detailed Comments : &COMMON_N09

ASN.1 Type Definition
Type Name : ConfSize Encoding Variation: Comments :
Type Definition
INTEGER (0 .. 127)
Detailed Comments : see ETS 300 185 p11

ASN.1 Type Definition	
Type Name	: Conferenceld
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (0 .. 127)	
Detailed Comments : see ETS 300 185 p11	

ASN.1 Type Definition**Type Name** : DeactivationDiversion_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  deactivationDiversiOn_InvokeComp    [1] IMPLICIT DeactivationDiversiOn_InvokeComponent,
  deactivationDiversiOn_ReturnResultComp [2] IMPLICIT
      DeactivationDiversiOn_ReturnResultComponent,
  deactivationDiversiOn_ReturnErrorComp [3] IMPLICIT
      DeactivationDiversiOn_ReturnErrorComponent,
  deactivationDiversiOn_RejectComp     [4] IMPLICIT RejectComponent }

```

-- This is the DeactivationDiversiOn InvokeComponent --

```

DeactivationDiversiOn_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value Operation,
  argument      Argument  OPTIONAL }

```

-- This is the DeactivationDiversiOn ReturnResultComponent --

```

DeactivationDiversiOn_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType }  -- no result field with this return result comp

```

-- This is the DeactivationDiversiOn ReturnErrorComponent --

```

DeactivationDiversiOn_ReturnErrorComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  error         Error }

```

-- Common (local) type elements --

```

Argument ::= SEQUENCE {
      procedure      Procedure,
      basicService    BasicService,
      servedUserNr    ServedUserNr }

```

Detailed Comments :

ASN.1 Type Definition**Type Name** : DeactivationStatusNotificationDiv_Components**Encoding Variation:****Comments** :**Type Definition**

```

CHOICE {
  deactivationStatusNotificationDiv_InvokeComp    [1] IMPLICIT
      DeactivationStatusNotificationDiv_InvokeComponent,
  deactivationStatusNotificationDiv_ReturnResultComp [2] IMPLICIT
      DeactivationStatusNotificationDiv_ReturnResultComponent,
  deactivationStatusNotificationDiv_ReturnErrorComp [3] IMPLICIT
      DeactivationStatusNotificationDiv_ReturnErrorComponent,
  deactivationStatusNotificationDiv_RejectComp    [4] IMPLICIT RejectComponent }

```

```

-- This is the DeactivationStatusNotificationDiv InvokeComponent --

```

```

DeactivationStatusNotificationDiv_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType, -- note "linkedID" of GFP not used in SS
  operation_value Operation,
  argument      Argument  OPTIONAL }

```

```

-- This is the DeactivationStatusNotificationDiv ReturnResultComponent --

```

```

DeactivationStatusNotificationDiv_ReturnResultComponent ::= NULL

```

```

-- This is the DeactivationStatusNotificationDiv ReturnErrorComponent --

```

```

DeactivationStatusNotificationDiv_ReturnErrorComponent ::= NULL

```

```

-- Common (local) type elements --

```

```

Argument ::= SEQUENCE {
  procedure      Procedure,
  basicService   BasicService,
  servedUserNr   ServedUserNr }

```

Continued on next page

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : DiversionCounter
Encoding Variation:
Comments :
Type Definition
INTEGER (1..5)
Detailed Comments :

ASN.1 Type Definition**Type Name** : DiversionInformation_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { diversionInformation_InvokeComp [1] IMPLICIT DiversionInformation_InvokeComponent, diversionInformation_ReturnResultComp [2] IMPLICIT DiversionInformation_ReturnResultComponent, diversionInformation_ReturnErrorComp [3] IMPLICIT DiversionInformation_ReturnErrorComponent, diversionInformation_RejectComp [4] IMPLICIT RejectComponent } -- This is the DiversionInformation InvokeComponent -- DiversionInformation_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the DiversionInformation ReturnResultComponent -- DiversionInformation_ReturnResultComponent ::= NULL -- This is the DiversionInformation ReturnErrorComponent -- DiversionInformation_ReturnErrorComponent ::= NULL -- Common (local) type elements -- Argument ::= SEQUENCE { diversionReason DiversionReason, basicService BasicService, servedUserSubaddress PartySubaddress OPTIONAL, callingAddress [0] PresentedAddressScreened OPTIONAL, originalCalledNr [1] PresentedNumberUnscreened OPTIONAL, lastDivertingNr [2] PresentedNumberUnscreened OPTIONAL, lastDivertingReason [3] DiversionReason OPTIONAL, userInfo Q931InformationElement OPTIONAL } </pre>

Continued on next page

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition	
Type Name	: DiversionReason
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED {	unknown2 (0),
	cfu2 (1),
	cfb2 (2),
	cfnr2 (3),
	cdAlerting (4),
	cdImmediate (5)}
Detailed Comments :	

ASN.1 Type Definition**Type Name** : DivertingLegInformation1_Components**Encoding Variation:****Comments** :**Type Definition**

```

CHOICE {
  divertingLegInformation1_InvokeComp    [1] IMPLICIT
      DivertingLegInformation1_InvokeComponent,
  divertingLegInformation1_ReturnResultComp [2] IMPLICIT
      DivertingLegInformation1_ReturnResultComponent,
  divertingLegInformation1_ReturnErrorComp [3] IMPLICIT
      DivertingLegInformation1_ReturnErrorComponent,
  divertingLegInformation1_RejectComp     [4] IMPLICIT RejectComponent }

-- This is the DivertingLegInformation1 InvokeComponent --
DivertingLegInformation1_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType, -- note "linkedID" of GFP not used in SS
  operation_value Operation,
  argument      Argument OPTIONAL }

-- This is the DivertingLegInformation1 ReturnResultComponent --
DivertingLegInformation1_ReturnResultComponent ::= NULL

-- This is the DivertingLegInformation1 ReturnErrorComponent --
DivertingLegInformation1_ReturnErrorComponent ::= NULL

-- Common (local) type elements --
Argument ::= SEQUENCE {
  diversionReason      DiversionReason,
  subscriptionOption   SubscriptionOption,
  divertedToNumber     PresentedNumberUnscreened OPTIONAL }

```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition**Type Name** : DivertingLegInformation2_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { divertingLegInformation2_InvokeComp [1] IMPLICIT DivertingLegInformation2_InvokeComponent, divertingLegInformation2_ReturnResultComp [2] IMPLICIT DivertingLegInformation2_ReturnResultComponent, divertingLegInformation2_ReturnErrorComp [3] IMPLICIT DivertingLegInformation2_ReturnErrorComponent, divertingLegInformation2_RejectComp [4] IMPLICIT RejectComponent } -- This is the DivertingLegInformation2 InvokeComponent -- DivertingLegInformation2_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the DivertingLegInformation2 ReturnResultComponent -- DivertingLegInformation2_ReturnResultComponent ::= NULL -- This is the DivertingLegInformation2 ReturnErrorComponent -- DivertingLegInformation2_ReturnErrorComponent ::= NULL -- Common (local) type elements -- Argument ::= SEQUENCE { diversionCounter DiversionCounter, diversionReason DiversionReason, divertingNr [1] PresentedNumberUnscreened OPTIONAL, originalCalledNr [2] PresentedNumberUnscreened OPTIONAL } </pre>
Detailed Comments :

ASN.1 Type Definition	
Type Name	: DivertingLegInformation3_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { divertingLegInformation3_InvokeComp [1] IMPLICIT DivertingLegInformation3_InvokeComponent, divertingLegInformation3_ReturnResultComp [2] IMPLICIT DivertingLegInformation3_ReturnResultComponent, divertingLegInformation3_ReturnErrorComp [3] IMPLICIT DivertingLegInformation3_ReturnErrorComponent, divertingLegInformation3_RejectComp [4] IMPLICIT RejectComponent } -- This is the DivertingLegInformation3 InvokeComponent -- DivertingLegInformation3_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the DivertingLegInformation3 ReturnResultComponent -- DivertingLegInformation3_ReturnResultComponent ::= NULL -- This is the DivertingLegInformation3 ReturnErrorComponent -- DivertingLegInformation3_ReturnErrorComponent ::= NULL -- Common (local) type elements -- Argument ::= SEQUENCE { presentationAllowedIndicator PresentationAllowedIndicator } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: DropCONF_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { dropCONF_InvokeComp [1] IMPLICIT DropCONF_InvokeComponent, dropCONF_ReturnResultComp [2] IMPLICIT DropCONF_ReturnResultComponent, dropCONF_ReturnErrorComp [3] IMPLICIT DropCONF_ReturnErrorComponent, dropCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the DropCONF InvokeComponent -- DropCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in supplementary services operation_value Operation, argument Argument OPTIONAL } -- This is the DropCONF ReturnResultComponent -- DropCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here - check -- This is the DropCONF ReturnErrorComponent -- DropCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= PartyId </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: Component_old
Encoding Variation:	
Comments	: ASN1_Encoding: BER The collection of all possible components for CONF ss
Type Definition	
CHOICE {	
general_Components	General_Components -- required to cope with the receipt of
	-- "other" components which are ignored.
}	
Detailed Comments	: plural (componentS) as each type represents invoke, return result, return error etc.

ASN.1 Type Definition	
Type Name	: General_Components
Encoding Variation:	
Comments	: Non specified components must match this type definition.
Type Definition	
<pre>CHOICE { general_InvokeComp [1] IMPLICIT General_InvokeComponent, general_ReturnResultComp [2] IMPLICIT General_ReturnResultComponent, general_ReturnErrorComp [3] IMPLICIT General_ReturnErrorComponent, general_RejectComp [4] IMPLICIT Reject } -- This is the General InvokeComponent -- General_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, linked_ID [0] IMPLICIT InvokeIDType OPTIONAL, operation_value Operation, argument ANY OPTIONAL } -- This is the General ReturnResultComponent -- General_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result ANY } OPTIONAL } -- This is the General ReturnErrorComponent -- General_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error ANY }</pre>	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: FIE
Encoding Variation:	
Comments	: Facility information element taken from ETS 300 196:1993; 11.2.2.1. Specified here for both send & receive event.
Type Definition	
<pre> SEQUENCE { informationElementIdentifier FIE_I, length FIE_LengthType, extBit BIT STRING (SIZE (1)), spareBits BIT STRING (SIZE (2)), protocolProfile BIT STRING (SIZE (5)), components SET OF Component } </pre>	
Detailed Comments	: &COMMON_N10 When sending normally only one component is sent, but when receiving any number of components can be recieved even though normally we are only interested in one component.

ASN.1 Type Definition	
Type Name	: FIE_I
Encoding Variation:	
Comments	: Identifier for the Facility information element.
Type Definition	
BIT STRING('00011100'B)	
Detailed Comments	: &COMMON_N10

ASN.1 Type Definition	
Type Name	: FIES
Encoding Variation:	
Comments	: This type carries a SET OF FIE. The order of the element is of no interest.
Type Definition	
SET OF FIE	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: FIE_LengthType
Encoding Variation:	
Comments	:
Type Definition	
BIT STRING(SIZE(8))	
Detailed Comments : &COMMON_N10 This type is needed in the test suite operation TSO_CALC_FIE_LENGTH.	

ASN.1 Type Definition	
Type Name	: EctExecute_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { ectExecute_InvokeComp [1] IMPLICIT EctExecute_InvokeComponent, ectExecute_ReturnResultComp [2] IMPLICIT EctExecute_ReturnResultComponent, ectExecute_ReturnErrorComp [3] IMPLICIT EctExecute_ReturnErrorComponent, ectExecute_RejectComp [4] IMPLICIT RejectComponent } -- This is the EctExecute InvokeComponent -- EctExecute_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" of GFP not used in SS operation_value Operation } -- no argument with this invoke comp -- This is the EctExecute ReturnResultComponent -- EctExecute_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result field with this return result component -- This is the EctExecute ReturnErrorComponent -- EctExecute_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: EctInform_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { ectInform_InvokeComp [1] IMPLICIT EctInform_InvokeComponent, ectInform_ReturnResultComp [2] IMPLICIT EctInform_ReturnResultComponent, ectInform_ReturnErrorComp [3] IMPLICIT EctInform_ReturnErrorComponent, ectInform_RejectComp [4] IMPLICIT RejectComponent } -- This is the EctInform InvokeComponent -- EctInform_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the EctInform ReturnResultComponent -- EctInform_ReturnResultComponent ::= NULL -- no return result component -- This is the EctInform ReturnErrorComponent -- EctInform_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= SEQUENCE { enum_elem ENUMERATED {alerting (0), active (1)}, redirectionNumber PresentedNumberUnscreened OPTIONAL} </pre>	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : EctLinkIdRequest_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { ectLinkIdRequest_InvokeComp [1] IMPLICIT EctLinkIdRequest_InvokeComponent, ectLinkIdRequest_ReturnResultComp [2] IMPLICIT EctLinkIdRequest_ReturnResultComponent, ectLinkIdRequest_ReturnErrorComp [3] IMPLICIT EctLinkIdRequest_ReturnErrorComponent, ectLinkIdRequest_RejectComp [4] IMPLICIT RejectComponent } -- This is the EctLinkIdRequest InvokeComponent -- EctLinkIdRequest_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument with this invoke component -- This is the EctLinkIdRequest ReturnResultComponent -- EctLinkIdRequest_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result Result } OPTIONAL } -- This is the EctLinkIdRequest ReturnErrorComponent -- EctLinkIdRequest_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Result ::= LinkId </pre>
Detailed Comments :

ASN.1 Type Definition**Type Name** : EctLoopTest_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  ectLoopTest_InvokeComp    [1] IMPLICIT EctLoopTest_InvokeComponent,
  ectLoopTest_ReturnResultComp [2] IMPLICIT EctLoopTest_ReturnResultComponent,
  ectLoopTest_ReturnErrorComp [3] IMPLICIT EctLoopTest_ReturnErrorComponent,
  ectLoopTest_RejectComp    [4] IMPLICIT RejectComponent }
```

```
-- This is the EctLoopTest InvokeComponent --
```

```
EctLoopTest_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value    Operation,
  argument           Argument  OPTIONAL }
```

```
-- This is the EctLoopTest ReturnResultComponent --
```

```
EctLoopTest_ReturnResultComponent ::= SEQUENCE {
  invokeID          InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }
```

```
-- This is the EctLoopTest ReturnErrorComponent --
```

```
EctLoopTest_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error    Error }
```

```
-- Common (local) type elements --
```

```
Argument ::= CallTransferIdentity
```

```
CallTransferIdentity ::= INTEGER (-128..127)
```

```
Result ::= LoopResult
```

```
LoopResult ::= ENUMERATED { insufficientInformation (0),
                             noLoopExists          (1),
                             simultaneousTransfer  (2) }
```

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition	
Type Name	: EndPTY3_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { endPTY3_InvokeComp [1] IMPLICIT EndPTY3_InvokeComponent, endPTY3_ReturnResultComp [2] IMPLICIT EndPTY3_ReturnResultComponent, endPTY3_ReturnErrorComp [3] IMPLICIT EndPTY3_ReturnErrorComponent, endPTY3_RejectComp [4] IMPLICIT RejectComponent } -- This is the EndPTY3 InvokeComponent -- EndPTY3_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in supplementary services operation_value Operation } -- This is the EndPTY3 ReturnResultComponent -- EndPTY3_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here -- This is the EndPTY3 ReturnErrorComponent -- EndPTY3_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements --</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: EraseCallLinkageID_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { eraseCallLinkageID_InvokeComp [1] IMPLICIT EraseCallLinkageID_InvokeComponent, eraseCallLinkageID_ReturnResultComp [2] IMPLICIT EraseCallLinkageID_ReturnResultComponent, eraseCallLinkageID_ReturnErrorComp [3] IMPLICIT EraseCallLinkageID_ReturnErrorComponent, eraseCallLinkageID_RejectComp [4] IMPLICIT RejectComponent } -- This is the EraseCallLinkageID InvokeComponent -- EraseCallLinkageID_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the EraseCallLinkageID ReturnResultComponent -- EraseCallLinkageID_ReturnResultComponent ::= NULL -- no RESULT specified -- This is the EraseCallLinkageID ReturnErrorComponent -- EraseCallLinkageID_ReturnErrorComponent ::= NULL -- no ERROR specified -- Common (local) type elements -- Argument ::= CallLinkageID </pre>	
Detailed Comments	:

ASN.1 Type Definition	
Type Name	: ExplicitEctExecute_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { explicitEctExecute_InvokeComp [1] IMPLICIT ExplicitEctExecute_InvokeComponent, explicitEctExecute_ReturnResultComp [2] IMPLICIT ExplicitEctExecute_ReturnResultComponent, explicitEctExecute_ReturnErrorComp [3] IMPLICIT ExplicitEctExecute_ReturnErrorComponent, explicitEctExecute_RejectComp [4] IMPLICIT RejectComponent } -- This is the ExplicitEctExecute InvokeComponent -- ExplicitEctExecute_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the ExplicitEctExecute ReturnResultComponent -- ExplicitEctExecute_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result field with this return result comp -- This is the ExplicitEctExecute ReturnErrorComponent -- ExplicitEctExecute_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= LinkId </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: IntResult
Encoding Variation:	
Comments	:
Type Definition	
SEQUENCE {servedUserNr ServedUserNr, basicService BasicService, procedure Procedure, forwardedToAddress Address }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: IntResultList
Encoding Variation:	
Comments	:
Type Definition	
SET SIZE (0..29) OF IntResult	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : InterrogateServedUserNumbers_Components**Encoding Variation:****Comments** :*Continued on next page*

Continued from previous page

ASN.1 Type Definition
Type Definition
<pre> CHOICE { interrogateServedUserNumbers_InvokeComp [1] IMPLICIT InterrogateServedUserNumbers_InvokeComponent, interrogateServedUserNumbers_ReturnResultComp [2] IMPLICIT InterrogateServedUserNumbers_ReturnResultComponent, interrogateServedUserNumbers_ReturnErrorComp [3] IMPLICIT InterrogateServedUserNumbers_ReturnErrorComponent, interrogateServedUserNumbers_RejectComp [4] IMPLICIT RejectComponent } -- This is the InterrogateServedUserNumbers InvokeComponent -- InterrogateServedUserNumbers_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in SS operation_value Operation } -- no argument field with this invoke comp -- This is the InterrogateServedUserNumbers ReturnResultComponent -- InterrogateServedUserNumbers_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result ServedUserNumberList } OPTIONAL } -- This is the InterrogateServedUserNumbers ReturnErrorComponent -- InterrogateServedUserNumbers_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Result ::= ServedUserNumberList </pre>
Detailed Comments :

ASN.1 Type Definition**Type Name** : InterrogationDiversion_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  interrogationDiversiion_InvokeComp    [1] IMPLICIT InterrogationDiversiion_InvokeComponent,
  interrogationDiversiion_ReturnResultComp [2] IMPLICIT
      InterrogationDiversiion_ReturnResultComponent,
  interrogationDiversiion_ReturnErrorComp [3] IMPLICIT
      InterrogationDiversiion_ReturnErrorComponent,
  interrogationDiversiion_RejectComp    [4] IMPLICIT RejectComponent }

```

-- This is the InterrogationDiversiion InvokeComponent --

```

InterrogationDiversiion_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value Operation,
  argument      Argument  OPTIONAL }

```

-- This is the InterrogationDiversiion ReturnResultComponent --

```

InterrogationDiversiion_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  valueAndResult SEQUENCE {
      operation_value Operation,
      result          Result    }  OPTIONAL }

```

-- This is the InterrogationDiversiion ReturnErrorComponent --

```

InterrogationDiversiion_ReturnErrorComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  error         Error }

```

-- Common (local) type elements --

```

Argument ::= SEQUENCE {
      procedure      Procedure,
      basicService    BasicService,
      servedUserNr    ServedUserNr }

```

```

Result ::= IntResultList

```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition**Type Name** : InvalidCCBSInterrogate_Components**Encoding Variation:****Comments** : Uses CCBSInterrogateInvoke component with CCBSReference parameter of incorrect type.*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  cCBSInterrogate_InvokeComp    [1] IMPLICIT CCBSInterrogate_InvokeComponent,
  cCBSInterrogate_ReturnResultComp [2] IMPLICIT CCBSInterrogate_ReturnResultComponent,
  cCBSInterrogate_ReturnErrorComp [3] IMPLICIT CCBSInterrogate_ReturnErrorComponent,
  cCBSInterrogate_RejectComp    [4] IMPLICIT RejectComponent }
```

-- This is the CCBSInterrogate InvokeComponent --

```
CCBSInterrogate_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value   Operation,
  argument          Argument  OPTIONAL }
```

-- This is the CCBSInterrogate ReturnResultComponent --

```
CCBSInterrogate_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }
```

-- This is the CCBSInterrogate ReturnErrorComponent --

```
CCBSInterrogate_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error    Error }
```

-- Common (local) type elements --

```
Argument ::= SEQUENCE { cCBSReference    BIT STRING  OPTIONAL, -- incorrect type
  partyNumberOfA    PartyNumber  OPTIONAL }
```

```
Result ::= SEQUENCE { recallMode      RecallMode,
  callDetails      CallDetails  OPTIONAL }
```

```
CallDetails ::= SEQUENCE OF CallInformation (SIZE(1..5))
```

Continued on next page

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :**

ASN.1 Type Definition	
Type Name	: IsolateCONF_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { isolateCONF_InvokeComp [1] IMPLICIT IsolateCONF_InvokeComponent, isolateCONF_ReturnResultComp [2] IMPLICIT IsolateCONF_ReturnResultComponent, isolateCONF_ReturnErrorComp [3] IMPLICIT IsolateCONF_ReturnErrorComponent, isolateCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the IsolateCONF InvokeComponent -- IsolateCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" not used in supplementary services operation_value Operation, argument Argument OPTIONAL } -- This is the IsolateCONF ReturnResultComponent -- IsolateCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here - check -- This is the IsolateCONF ReturnErrorComponent -- IsolateCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= PartyId</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: LinkId
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (1..127)	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: MCIDRequest_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { mCIDRequest_InvokeComp [1] IMPLICIT MCIDRequest_InvokeComponent, mCIDRequest_ReturnResultComp [2] IMPLICIT MCIDRequest_ReturnResultComponent, mCIDRequest_ReturnErrorComp [3] IMPLICIT MCIDRequest_ReturnErrorComponent, mCIDRequest_RejectComp [4] IMPLICIT RejectComponent } -- This is the MCIDRequest InvokeComponent -- MCIDRequest_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, operation_value Operation} -- This is the MCIDRequest ReturnResultComponent -- MCIDRequest_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- This is the MCIDRequest ReturnErrorComponent -- MCIDRequest_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error }</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: NSAPSubaddress
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
OCTET STRING (SIZE (1 .. 20))	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: NumberDigits
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
NumericString (SIZE(1..20))	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: OID
Encoding Variation:	
Comments	: Used by constraint TSC_eCTOID and others to specify error and operation values.
Type Definition	
OBJECT IDENTIFIER	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: Operation
Encoding Variation:	
Comments	: from ETS 300 196 (table E.1) & CCITT X.219 (figure 4).
Type Definition	
CHOICE { localValue INTEGER, globalValue OBJECT IDENTIFIER}	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: PartyDISC_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { partyDISC_InvokeComp [1] IMPLICIT PartyDISC_InvokeComponent, partyDISC_ReturnResultComp [2] IMPLICIT PartyDISC_ReturnResultComponent, partyDISC_ReturnErrorComp [3] IMPLICIT PartyDISC_ReturnErrorComponent, partyDISC_RejectComp [4] IMPLICIT RejectComponent } -- This is the PartyDISC InvokeComponent -- PartyDISC_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" not used in SSs operation_value Operation, argument Argument OPTIONAL }</pre> <pre>-- This is the PartyDISC ReturnResultComponent -- PartyDISC_ReturnResultComponent ::= NULL -- no return result component defined -- This is the PartyDISC ReturnErrorComponent -- PartyDISC_ReturnErrorComponent ::= NULL -- no return error component defined -- Common (local) type elements -- Argument ::= PartyId</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: PartyId
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (0 .. 127)	
Detailed Comments : see ETS 300 185 p11	

ASN.1 Type Definition	
Type Name	: PartyNumber
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
CHOICE { unknownPartyNumber [0] IMPLICIT NumberDigits, -- the numbering plan is the default numbering plan of the network. -- It is recommended that this value is used. publicPartyNumber [1] IMPLICIT PublicPartyNumber, -- the numbering plan is according to CCITT Recommendation E.163 and E.164. dataPartyNumber [3] IMPLICIT NumberDigits, -- not used, value reserved. telexPartyNumber [4] IMPLICIT NumberDigits, -- not used, value reserved. privatePartyNumber [5] IMPLICIT PrivatePartyNumber, nationalStandardPartyNumber [8] IMPLICIT NumberDigits} -- not used, value reserved.	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: PartySubaddress
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
CHOICE { userSpecifiedSubaddress UserSpecifiedSubaddress, nSAPSubaddress NSAPSubaddress }	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: PresentationAllowedIndicator
Encoding Variation:	
Comments	:
Type Definition	
BOOLEAN	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: PresentedAddressScreened
Encoding Variation:	
Comments	:
Type Definition	
CHOICE { presentationAllowedAddress [0] IMPLICIT AddressScreened, presentationRestricted [1] IMPLICIT NULL, numberNotAvailableDueToInterworking [2] IMPLICIT NULL, presentationRestrictedAddress [3] IMPLICIT AddressScreened }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: PresentedNumberUnscreened
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
CHOICE { presentationAllowedNumber [0] PartyNumber, presentationRestricted [1] IMPLICIT NULL, numberNotAvailableDueToInterworking [2] IMPLICIT NULL, presentationRestrictedNumber [3] PartyNumber}	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: PrivatePartyNumber
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
SEQUENCE { privateTypeOfNumber TypeOfNumber, privateNumberDigits NumberDigits}	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: Procedure
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED {cfu(0), cfb(1), cfmr(2)}	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: PublicPartyNumber
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
SEQUENCE { publicTypeOfNumber TypeOfNumber, publicNumberDigits NumberDigits}	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition	
Type Name	: Q931InformationElement
Encoding Variation:	
Comments	:
Type Definition	
[APPLICATION 0] IMPLICIT OCTET STRING	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ReattachCONF_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { reattachCONF_InvokeComp [1] IMPLICIT ReattachCONF_InvokeComponent, reattachCONF_ReturnResultComp [2] IMPLICIT ReattachCONF_ReturnResultComponent, reattachCONF_ReturnErrorComp [3] IMPLICIT ReattachCONF_ReturnErrorComponent, reattachCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the ReattachCONF InvokeComponent -- ReattachCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" not used in SSs operation_value Operation, argument Argument OPTIONAL } -- This is the ReattachCONF ReturnResultComponent -- ReattachCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here -- This is the ReattachCONF ReturnErrorComponent -- ReattachCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= PartyID</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: RecallMode
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED { globalRecall (0), specificRecall (1) }	
Detailed Comments	:

ASN.1 Type Definition	
Type Name	: RejectComponent
Encoding Variation:	
Comments	: Reject Component is not specific to any particular operation. The invokeID may be used to identify a specific operation.
Type Definition	
SEQUENCE { invokedID CHOICE { invokeID InvokeIDType, null NULL }, problem CHOICE { generalProblem [0] IMPLICIT GeneralProblem, invokeProblem [1] IMPLICIT InvokeProblem, returnResultProblem [2] IMPLICIT ReturnResultProblem, returnErrorProblem [3] IMPLICIT ReturnErrorProblem } }	
Detailed Comments	: &COMMON_N10

ASN.1 Type Definition	
Type Name	: RequestSubaddress_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre>CHOICE { requestSubaddress_InvokeComp [1] IMPLICIT RequestSubaddress_InvokeComponent, requestSubaddress_ReturnResultComp [2] IMPLICIT RequestSubaddress_ReturnResultComponent, requestSubaddress_ReturnErrorComp [3] IMPLICIT RequestSubaddress_ReturnErrorComponent, requestSubaddress_RejectComp [4] IMPLICIT RejectComponent } -- This is the RequestSubaddress InvokeComponent -- RequestSubaddress_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" of GFP not used in SS operation_value Operation } -- no argument with this invoke component -- This is the RequestSubaddress ReturnResultComponent -- RequestSubaddress_ReturnResultComponent ::= NULL -- note that there is no return result component -- This is the RequestSubaddress ReturnErrorComponent -- RequestSubaddress_ReturnErrorComponent ::= NULL -- note that there is no return error component</pre>	
Detailed Comments	:

ASN.1 Type Definition	
Type Name	: SIO
Encoding Variation:	
Comments	: Service Information Octet FS : 2.1.1.1 / 61/155 17-CRT 212 31 Uen Rev. A
Type Definition	
OCTET STRING(SIZE(1))	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ScreeningIndicator
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED { userProvidedNotScreened (0), -- number was provided by a remote user terminal equipment, and -- has been screened by a network that is not the local public -- or local private network. userProvidedVerifiedAndPassed (1), -- number was provided by a remote user terminal equipment (or -- by a remote private network), and has been screened by the -- local public or local private network. userProvidedVerifiedAndFailed (2), -- not used, value reserved networkProvided (3)} -- number was provided by local public or local private network	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ServedUserNr
Encoding Variation:	
Comments	:
Type Definition	
CHOICE {individualNumber PartyNumber, allNumbers NULL}	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ServedUserNumberList
Encoding Variation:	
Comments	:
Type Definition	
SET SIZE (0..99) OF PartyNumber	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: SplitCONF_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { splitCONF_InvokeComp [1] IMPLICIT SplitCONF_InvokeComponent, splitCONF_ReturnResultComp [2] IMPLICIT SplitCONF_ReturnResultComponent, splitCONF_ReturnErrorComp [3] IMPLICIT SplitCONF_ReturnErrorComponent, splitCONF_RejectComp [4] IMPLICIT RejectComponent } -- This is the SplitCONF InvokeComponent -- SplitCONF_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- note "linkedID" of GFP not used in supplementary services operation_value Operation, argument Argument OPTIONAL } -- This is the SplitCONF ReturnResultComponent -- SplitCONF_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType } -- no result argument here -- This is the SplitCONF ReturnErrorComponent -- SplitCONF_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error Error } -- Common (local) type elements -- Argument ::= SEQUENCE { conferenceld Conferenceld, partyld Partyld }</pre>	
Detailed Comments :	

ASN.1 Type Definition**Type Name** : StatusRequest_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```

CHOICE {
  statusRequest_InvokeComp    [1] IMPLICIT StatusRequest_InvokeComponent,
  statusRequest_ReturnResultComp [2] IMPLICIT StatusRequest_ReturnResultComponent,
  statusRequest_ReturnErrorComp [3] IMPLICIT StatusRequest_ReturnErrorComponent,
  statusRequest_RejectComp     [4] IMPLICIT RejectComponent }

-- This is the StatusRequest InvokeComponent --
StatusRequest_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value    Operation,
  argument           Argument  OPTIONAL }

-- This is the StatusRequest ReturnResultComponent --
StatusRequest_ReturnResultComponent ::= SEQUENCE {
  invokeID          InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          StatusResult  } OPTIONAL }

-- This is the StatusRequest ReturnErrorComponent --
StatusRequest_ReturnErrorComponent ::= NULL  -- no ERROR specified

-- Common (local) type elements --
Argument ::= SEQUENCE { compatibilityMode CompatibilityMode,
  q931InfoElement Q931InformationElement -- BCAP/HLC/LLC embedded
}

StatusResult ::= ENUMERATED {
  compatibleAndFree (0),
  compatibleAndBusy (1),
  incompatible (2) }

CompatibilityMode ::= ENUMERATED {
  allBasicServices (0),
  oneOrMoreBasicServices (1) }

```

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : SubaddressInformation Encoding Variation: Comments : from ETS 300 196 D.3
Type Definition
OCTET STRING (SIZE (1 .. 20))
Detailed Comments : &COMMON_U09

ASN.1 Type Definition	
Type Name	: SubaddressTransfer_Components
Encoding Variation:	
Comments	:
Type Definition	
<pre> CHOICE { subaddressTransfer_InvokeComp [1] IMPLICIT SubaddressTransfer_InvokeComponent, subaddressTransfer_ReturnResultComp [2] IMPLICIT SubaddressTransfer_ReturnResultComponent, subaddressTransfer_ReturnErrorComp [3] IMPLICIT SubaddressTransfer_ReturnErrorComponent, subaddressTransfer_RejectComp [4] IMPLICIT RejectComponent } -- This is the SubaddressTransfer InvokeComponent -- SubaddressTransfer_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, -- "linkedID" of GFP not used in SS operation_value Operation, argument Argument OPTIONAL } -- This is the SubaddressTransfer ReturnResultComponent -- SubaddressTransfer_ReturnResultComponent ::= NULL -- no return result component -- This is the SubaddressTransfer ReturnErrorComponent -- SubaddressTransfer_ReturnErrorComponent ::= NULL -- no return error component -- Common (local) type elements -- Argument ::= transferredToSubaddress transferredToSubaddress ::= PartySubaddress </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: SubscriptionOption
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED { noNotification (0), notificationWithoutDivertedToNr (1), notificationWithDivertedToNr (2)}	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: TypeOfNumber
Encoding Variation:	
Comments	: from ETS 300 196 D.3, modified for TTCN ASN.1 (combination of PublicTypeOfNumber and PrivateTypeOfNumber).
Type Definition	
ENUMERATED { unknown (0), level2RegionalNumber (1), internationalNumber (1), level1RegionalNumber (2), nationalNumber (2), pTNSpecificNumber (3), networkSpecificNumber (3), localNumber (4), subscriberNumber (4), abbreviatedNumber (6) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: UserSpecifiedSubaddress
Encoding Variation:	
Comments	: from ETS 300 196 D.3
Type Definition	
SEQUENCE { subaddressInformation SubaddressInformation, oddCountIndicator BOOLEAN OPTIONAL }	
Detailed Comments : &COMMON_U09	

ASN.1 Type Definition**Type Name** : UserUserService_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  userUserService_InvokeComp    [1] IMPLICIT UserUserService_InvokeComponent,
  userUserService_ReturnResultComp [2] IMPLICIT UserUserService_ReturnResultComponent,
  userUserService_ReturnErrorComp [3] IMPLICIT UserUserService_ReturnErrorComponent,
  userUserService_RejectComp    [4] IMPLICIT RejectComponent }
```

```
-- This is the UserUserService InvokeComponent --
```

```
UserUserService_InvokeComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  operation_value Operation,
  argument      Argument }
```

```
-- This is the UserUserService ReturnResultComponent --
```

```
UserUserService_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType }
```

```
-- This is the UserUserService ReturnErrorComponent --
```

```
UserUserService_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error    UUS_Error }
```

```
Argument ::= SEQUENCE { service [1] IMPLICIT Service,
                           preferred [2] IMPLICIT Preferred }
```

```
Service ::= INTEGER {
  service1 (1),
  service2 (2),
  service3 (3)}
  (1..3)
```

```
Preferred ::= BOOLEAN -- True = preferred request
                -- False = required request
```

314

```
UUS_Error ::= Error ( rejectedByUser |      -- Error type limited to these values
  rejectedByNetwork )
```

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : DestAddressType Encoding Variation: Comments :
Type Definition
INTEGER
Detailed Comments :

ASN.1 Type Definition
Type Name : OrigAddressType Encoding Variation: Comments :
Type Definition
INTEGER
Detailed Comments :

ASN.1 Type Definition	
Type Name	: DialogueIdType
Encoding Variation:	
Comments	:
Type Definition	
ASN1_OCT_1	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: CompPresentType
Encoding Variation:	
Comments	:
Type Definition	
INTEGER { null (0), present (1) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: TerminationType
Encoding Variation:	
Comments	:
Type Definition	
ENUMERATED { basic (1), prearranged (2) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: InvokeIDType
Encoding Variation:	
Comments	:
Type Definition	
INTEGER (−32768 .. 32767)	
Detailed Comments :	<p>&COMMON_N10</p> <p>Values: Sending Components: If it is an invoke component then use Test Case Variable (with default) to set value. If another invoke component is sent the TCV should be incremented beforehand. If it is a return result, error or reject component in response to a received invoke component then use TCV also, making sure the value is set to the value of the received component beforehand.</p> <p>Receiving Components: If it is an invoke comp then use '?'. If it is a return result, error or reject component in response to a sent invoke component then use TCV value (as used in sent invoke component).</p>

ASN.1 Type Definition	
Type Name	: InvokeldType
Encoding Variation:	
Comments	: According to Q.773 p.3, TCAP 03/93,
Type Definition	
INTEGER (−128..127)	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: LinkedIdType
Encoding Variation:	
Comments	: According to Q.771 TCAP 1993
Type Definition	
[0] IMPLICIT InvokeldType	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: OpLocalValue
Encoding Variation:	
Comments	: INAP CS1 operation codes (Q.1214 page 61)
Type Definition	
INTEGER (0 .. 55)	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: OpClassType
Encoding Variation:	
Comments	: regarding to Q.771
Type Definition	
INTEGER	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: TimeoutValType
Encoding Variation:	
Comments	: regarding to Q.771
Type Definition	
ENUMERATED { short (1), medium (2), long (3) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ErrorCodeValue
Encoding Variation:	
Comments	: Contains information provided by the TC–user when an operation returns failure
Type Definition	
INTEGER	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ProblemCodeType
Encoding Variation:	
Comments	: According to Q.773 TCAP 1993
Type Definition	
CHOICE { generalProblem [0] IMPLICIT GeneralProblem, invokeProblem [1] IMPLICIT InvokeProblem, returnResultProblem [2] IMPLICIT ReturnResultProblem, returnErrorProblem [3] IMPLICIT ReturnErrorProblem }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ReturnErrorProblem
Encoding Variation:	
Comments	: According to Q.773 TCAP 1993
Type Definition	
INTEGER { unrecognizedInvokeIdx (0), returnErrorUnexpected (1), unrecognizedError (2), unexpectedError (3), mistypedParameterxx (4) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: GeneralProblem
Encoding Variation:	
Comments	: According to Q.773 TCAP 3/1993
Type Definition	
INTEGER { unrecognizedComponent (0), mistypedComponent (1), badlyStructuredComponent (2) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: InvokeProblem
Encoding Variation:	
Comments	: According to Q.773 TCAP 3/1993
Type Definition	
INTEGER { duplicateInvokeID (0), unrecognizedOperation (1), mistypedParameter (2), resourceLimitationx (3), initiatingRelease (4), unrecognizedLinkedID (5), linkedResponseUnexpected (6), unexpectedLinkedOperation (7) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: ReturnResultProblem
Encoding Variation:	
Comments	: According to Q.773 TCAP 1993
Type Definition	
INTEGER { unrecognizedInvokeID (0), returnResultUnexpected (1), mistypedParameterX (2) }	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: PAbortCause
Encoding Variation:	
Comments	: Cause values regarding the P_ABORT primitive. see Q.773
Type Definition	
<pre>[APPLICATION 10] IMPLICIT INTEGER{ unrecognizedMessageType (0), unrecognizedTransactionID (1), badlyFormattedTransactionPortion (2), incorrectTransactionPortion (3), resourceLimitation (4) }</pre>	
Detailed Comments : Abnormal dialogue No Common Dialogue Portion check also these symbolic values for PAbortCause parameter.	

ASN.1 Type Definition	
Type Name	: ReturnResult
Encoding Variation:	
Comments	: The Component ReturnResult is a sequence of data elements, see Q.773 p.2
Type Definition	
<pre>SEQUENCE { invokeID InvokeldType, result SEQUENCE { operationCode OpLocalValue, parameter ASN1_ANY } OPTIONAL }</pre>	
Detailed Comments : Note that the operationCode is Mandatory when the primitive contains the "Parameters" parameter	

ASN.1 Type Definition	
Type Name	: ReturnError
Encoding Variation:	
Comments	: The Component ReturnError is a sequence of data elements, see Q.773 p.2
Type Definition	
<pre>SEQUENCE { invokeID InvokeldType, errorCode ErrorCodeValue, parameters ASN1_ANY OPTIONAL }</pre>	
Detailed Comments : parameter description see Q.771 page 16/17	

ASN.1 Type Definition**Type Name** : Error**Encoding Variation:****Comments** : Note that elements of INTEGER are global.*Continued on next page*

Continued from previous page

ASN.1 Type Definition	
Type Definition	
<p>INTEGER {</p> <p>-- Errors from General Errors (D.2 of ETS 300 196) --</p> <p>notSubscribed (0),</p> <p>notAvailable (3),</p> <p>notImplemented (4),</p> <p>invalidServedUserNr (6),</p> <p>invalidCallState (7),</p> <p>basicServiceNotProvided (8),</p> <p>supplementaryServiceInteractionNotAllowed (10),</p> <p>resourceUnavailable (11),</p> <p>-- local error for conf and 3pty</p> <p>IllConferenceId (28),</p> <p>IllPartyId (29),</p> <p>NumberOfPartiesExceeded (30),</p> <p>NotActive (31),</p> <p>NotAllowed (32),</p> <p>-- error specific to CDIV --</p> <p>notActivated (46),</p> <p>invalidDivertedToNr (12),</p> <p>specialServiceNr (14),</p> <p>diversionToServedUserNr (15),</p> <p>incomingCallAccepted (23),</p> <p>numberOfDiversionsExceeded (24),</p> <p>requestAlreadyAccepted (48),</p> <p>-- error specific to CUG --</p> <p>invalidOrUnregisteredCUGIndex (16) ,</p> <p>requestedBasicServiceViolatesCUGConstraints (17) ,</p> <p>outgoingCallsBarredWithinCUG (18) ,</p> <p>incomingCallsBarredWithinCUG (19) ,</p> <p>userNotMemberOfCUG (20) ,</p> <p>inconsistencyInDesignatedFacilityAndSubscriberClass (21),</p> <p>-- error specific to UUS --</p> <p>rejectedByNetwork (1),</p> <p>rejectedByUser (2),</p> <p>-- error specific to CCBS --</p> <p>invalidCallLinkageID (20),</p>	

*Continued from previous page***ASN.1 Type Definition****Detailed Comments :** &COMMON_N07

ASN.1 Type Definition**Type Name** : CCBSRequest_Components**Encoding Variation:****Comments** :*Continued on next page*

*Continued from previous page***ASN.1 Type Definition****Type Definition**

```
CHOICE {
  cCBSRequest_InvokeComp    [1] IMPLICIT CCBSRequest_InvokeComponent,
  cCBSRequest_ReturnResultComp [2] IMPLICIT CCBSRequest_ReturnResultComponent,
  cCBSRequest_ReturnErrorComp [3] IMPLICIT CCBSRequest_ReturnErrorComponent,
  cCBSRequest_RejectComp    [4] IMPLICIT RejectComponent }
```

```
-- This is the CCBSRequest InvokeComponent --
```

```
CCBSRequest_InvokeComponent ::= SEQUENCE {
  invokeID          InvokeIDType,  -- note "linkedID" of GFP not used in SS
  operation_value   Operation,
  argument          Argument  OPTIONAL }
```

```
-- This is the CCBSRequest ReturnResultComponent --
```

```
CCBSRequest_ReturnResultComponent ::= SEQUENCE {
  invokeID      InvokeIDType,
  valueAndResult SEQUENCE {
    operation_value Operation,
    result          Result  } OPTIONAL }
```

```
-- This is the CCBSRequest ReturnErrorComponent --
```

```
CCBSRequest_ReturnErrorComponent ::= SEQUENCE {
  invokeID InvokeIDType,
  error    CCBSRequestError }
```

```
-- Common (local) type elements --
```

```
Argument ::= CallLinkageID
```

```
Result ::= SEQUENCE { recallMode      RecallMode,
                      cCBSReference  CCBSReference }
```

```
CCBSRequestError ::= Error ( notSubscribed |
                             invalidCallLinkageID |
                             shortTermDenial |
                             longTermDenial |
                             cCBSIsAlreadyActivated |
                             supplementaryServiceInteractionNotAllowed |
```

Continued from previous page

ASN.1 Type Definition
Detailed Comments :

ASN.1 Type Definition
Type Name : Reject
Encoding Variation:
Comments : The Component Reject is a sequence of data elements, see Q.773 p.3
Type Definition
<pre>SEQUENCE { invokeID CHOICE { derivable InvokeldType, not_derivable NULL }, problem CHOICE { generalProblem [0] IMPLICIT GeneralProblem, invokeProblem [1] IMPLICIT InvokeProblem, returnResultProblem [2] IMPLICIT ReturnResultProblem, returnErrorProblem [3] IMPLICIT ReturnErrorProblem } }</pre>
Detailed Comments : parameter description see Q.771 page 16/17

Test Suite Operation Definition	
Operation Name :	TSO_GenNb_len(val_Nb: HEX_N)
Result Type :	OCT_1
Comments :	Computes the length of a generic number parameter (GenNb)
Description	
<pre>{ int i; if((i = strlen(val_Nb)) % 2) /* odd */ return(i/2 + 3 + 1); else /* even */ return(i/2 + 2 + 1); }</pre>	
Detailed Comments :	A generic number has NbQlfl – 1 byte more than CdPN, CgPN, ConNb, OriCdNb, RnNb, RgNb

Test Suite Operation Definition	
Operation Name :	TSO_Nb_len(val_Nb: HEX_N)
Result Type :	OCT_1
Comments :	Computes the length of a number parameter (CdPN, CgPN, ...)
Description	
<pre>{ int i; if((i = strlen(val_Nb)) % 2) /* odd */ return(i/2 + 3); else /* even */ return(i/2 + 2); }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : TSO_OddEven(val_Nb: HEX_N)	
Result Type : BIT_1	
Comments : Computes the value of the Odd/even indicator	
Description	
<pre>{ if(strlen(val_Nb) % 2) /* odd */ return('1'); else /* even */ return('0'); }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : TSO_InatCl	
Result Type : BIT_1	
Comments : Sets the National/international call indicator in the Forward call indicators	
Description	
<pre>BEGIN IF TSP_international_call THEN FCI.InatCl:='1'B ELSE FCI.InatCl:='0'B ENDIF END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_NatAdrl_CdPN
Result Type :	BIT_7
Comments :	Sets the Nature of address indicator for the Called party number
Description	
<pre>BEGIN ## for NTE: IF NTE THEN IF TSP_international _CdPN THEN NatAdrl :=international ELSE NatAdrl:=national ENDIF ENDIF ## for DLE and IncIE: national (significant) number IF DLE OR IncIE THEN NatAdrl := national ENDIF ## for OutIE and ITE: international number with country code IF OutIE OR ITE THEN NatAdrl:= international ENDIF ## return the nature of address indicators Return (NatAdrl) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_AdSg_CdPN(val_CdPN: HEX_N)
Result Type :	HEX_N
Comments :	Builds the Address signals hexstring if a country code is needed
Description	
<pre>BEGIN ## for NTE: IF NTE THEN IF TSP_international_CdPN THEN AdSg :=TSO_hex_strcat(TSP_foreignCC,val_CdPN) ELSE # national (significant) number ENDIF ENDIF ## for DLE and IncIE: national (significant) number IF DLE OR IncIE THEN # national (significant) number ENDIF ## for OutIE and ITE: international number with country code IF OutIE OR ITE THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,val_CdPN) ENDIF ## return the address signals Return (AdSg) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_Filler(val_Nb: HEX_N)
Result Type :	HEX_0_1
Comments :	Returns the a Filler field if odd address digits are used or an empty string if even address digits are used.
Description	
<pre>{ if(strlen(val_Nb) % 2) /* odd */ return("0"); else /* even */ return(""); }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_INT_TO_BIT_5(int_val: INTEGER)
Result Type :	BIT_5
Comments :	Converts an integer into an 5-bit string
Description	
<pre>{ return(INT_TO_BIT_5(int_val)); }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_inc_CTRef(val_CTId: OCT_1)
Result Type :	OCT_1
Comments :	Increments a call transfer reference value
Description	
{ return(INT_TO_OCT(OCT_TO_INT(val_CTId) + 1)); }	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_compute_opt_ptr
Result Type :	OCT_1
Comments :	Computes the pointer to the optional part of a message.
Description	
{ if(opt_pars_present) return(INT_TO_OCT(length_of_var_pars() + 1)); else return(INT_TO_OCT(0)); }	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_hex_strcat(str1, str2: HEX_N)
Result Type :	HEX_N
Comments :	Concatenates hexstrings str1 to hexstring str2
Description	
{return strcat(str1, str2)}	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_hex_3strcat(str1, str2, str3: HEX_N)
Result Type :	HEX_N
Comments :	Concatenates hexstrings str1 to hexstring str2
Description	
{return strcat(str1, str2, str3)}	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : TSO_Next_CIC(CICnr: BIT_12)	
Result Type : BIT_12	
Comments : Returns the next possible value for CIC	
Description	
<pre>{ int tmp; tmp = BIT_TO_INT(CICnr); if((tmp % 15) == 0) tmp += 2; /* timeslot 17 of current PCM line */ else if((tmp % (TSP_NB_CICS + 1)) == 0) tmp -= TSP_NB_CICS; /* timeslot 1 of current PCM line */ else tmp++; return(INT_TO_BIT(tmp)); }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: TSO_r_fwd(AdSg: HEX_N)
Result Type	: HEX_N
Comments	: Computes the expected number with its format (NatAdrl) in the forward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges InterME =(NTE, OutIE, ITE, IncIE)
Description	
<pre> BEGIN TypeDefinition Number ## used to address the NatAdrl field ## for NTE: national (significant) number – do nothing ## for OutIE: international number with country code IF OutIE THEN AdSg:=TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ## for ITE: IF ITE THEN IF TCV_otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## for IncIE: IF IncIE THEN IF otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ENDIF ENDIF ## return the address signals Return (AdSg) END </pre>	

Continued on next page

*Continued from previous page***Test Suite Operation Definition****Detailed Comments :**

Test Suite Operation Definition	
Operation Name	TSO_r_fwd_NatAdrl
Result Type	: BIT_7
Comments	: Computes the expected format of NatAdrl in the forward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges InterME =(NTE, OutIE, ITE, IncIE)
Description	
<pre> BEGIN ## for NTE: national (significant) number IF NTE THEN NatAdrl := national ENDIF ## for OutIE: international number with country code IF OutIE THEN NatAdrl:=international ENDIF ## for ITE: IF ITE THEN NatAdrl:= International ENDIF ## for IncIE: IF IncIE THEN IF otherCC THEN NatAdrl:=international ELSE NatAdrl:=national ## ownCC is stripped off ENDIF ENDIF ## return the nature of address indicators Return (NatAdrl) END </pre>	

Continued on next page

Continued from previous page

Test Suite Operation Definition
Detailed Comments :

Test Suite Operation Definition
Operation Name : TSO_s_fwd_NatAdrl_test (val_config:INTEGER) Result Type : BIT_7 Comments : Prepares the number to be sent in the forward direction with NatAdrl, depending on the role of the exchange (IUT) and the number given. The nature of address indicator (NatAdrl) is set. Note: This TSO is only applicable for intermediate exchanges IntermE =(NTE, OutIE, ITE, InclE)
Description
BEGIN ## for NTE and OutIE: national (significant) number IF NTE OR OutIE THEN NatAdrl := national ENDIF ## for InclE and ITE: international number with country code IF InclE OR ITE THEN NatAdrl:= International ENDIF ## return the nature of address indicators Return (NatAdrl) END
Detailed Comments :

Test Suite Operation Definition	
Operation Name : TSO_s_fwd(AdSg: HEX_N)	
Result Type : HEX_N	
Comments : Prepares the number to be sent in the forward direction with NatAdrl, depending on the role of the exchange (IUT) and the number given. The nature of address indicator (NatAdrl) is set. Note: This TSO is only applicable for intermediate exchanges IntermE =(NTE, OutlE, ITE, InclE)	
Description	
<pre>BEGIN ## for NTE and OutlE: national (significant) number – do nothing ## for InclE and ITE: international number with country code IF InclE OR ITE THEN IF TCV_otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## return the address signals Return (AdSg) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_s_fwd_test (AdSg , val_ownCC , val_foreignCC : HEX_N ; val_config : INTEGER ;val_otherCC : BOOLEAN)
Result Type :	HEX_N
Comments :	Prepares the number to be sent in the forward direction with NatAdrl, depending on the role of the exchange (IUT) and the number given. The nature of address indicator (NatAdrl) is set. Note: This TSO is only applicable for intermediate exchanges IntermE =(NTE, OutlE, ITE, InclE)
Description	
<pre>BEGIN ## for NTE and OutlE: national (significant) number – do nothing ## for InclE and ITE: international number with country code IF InclE OR ITE THEN IF TCV_otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## return the address signals Return (AdSg) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_s_fwd_NatAdrl
Result Type :	BIT_7
Comments :	Prepares the number to be sent in the forward direction with NatAdrl, depending on the role of the exchange (IUT) and the number given. The nature of address indicator (NatAdrl) is set. Note: This TSO is only applicable for intermediate exchanges IntermE =(NTE, OutIE, ITE, IncIE)
Description	
<pre>BEGIN ## for NTE and OutIE: national (significant) number IF NTE OR OutIE THEN NatAdrl := national ENDIF ## for IncIE and ITE: international number with country code IF IncIE OR ITE THEN NatAdrl:= International ENDIF ## return the nature of address indicators Return (NatAdrl) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: TSO_r_bwd(AdSg: HEX_N)
Result Type	: HEX_N
Comments	: Computes the expected number with its format (NatAdrl) in the backward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges InterME =(NTE, OutIE, ITE, IncIE)
Description	
<pre> BEGIN TypeDefinition Number ## used to address the NatAdrl field ## for NTE: national (significant) number – do nothing ## for OutIE: IF OutIE THEN IF otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ENDIF ENDIF ## for ITE: IF ITE THEN IF otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## for IncIE: international number with country code IF IncIE THEN AdSg:=TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ## return the address signals Return (AdSg) END </pre>	

Continued on next page

*Continued from previous page***Test Suite Operation Definition****Detailed Comments :**

Test Suite Operation Definition	
Operation Name	TSO_r_bwd_test (AdSg , val_ownCC , val_foreignCC : HEX_N ; val_config : INTEGER ;val_otherCC : BOOLEAN)
Result Type	: HEX_N
Comments	: Computes the expected number with its format (NatAdrl) in the backward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges IntermeE =(NTE, OutIE, ITE, IncIE)
Description	
<pre> BEGIN TypeDefinition Number ## used to address the NatAdrl field ## for NTE: national (significant) number – do nothing ## for OutIE: IF OutIE THEN IF otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ENDIF ENDIF ## for ITE: IF ITE THEN IF otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## for IncIE: international number with country code IF IncIE THEN AdSg:=TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ## return the address signals Return (AdSg) END </pre>	

Continued on next page

*Continued from previous page***Test Suite Operation Definition****Detailed Comments :**

Test Suite Operation Definition	
Operation Name : TSO_r_bwd_NatAdrl	
Result Type : BIT_7	
Comments : Computes the expected format of NatAdrl in the backward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges IntermeE =(NTE, OutIE, ITE, IncIE)	
Description	
<pre>BEGIN ## for NTE: national (significant) number IF NTE THEN NatAdrl := national ENDIF ## for OutIE: IF OutIE THEN IF otherCC THEN NatAdrl:=international ELSE NatAdrl:=national ## ownCC is stripped off ENDIF ENDIF ## for ITE: IF ITE THEN NatAdrl:= International ENDIF ## for IncIE: international number with country code IF IncIE THEN NatAdrl=international ENDIF ## return the nature of address indicators Return (NatAdrl) END</pre>	

Continued on next page

*Continued from previous page***Test Suite Operation Definition****Detailed Comments :**

Test Suite Operation Definition	
Operation Name	TSO_r_bwd_NatAdrl_test (val_config : INTEGER ;val_otherCC : BOOLEAN)
Result Type	: BIT_7
Comments	: Computes the expected format of NatAdrl in the backward direction, depending on the role of the exchange and the number given. Note: Only applicable for intermediate exchanges InterME =(NTE, OutIE, ITE, IncIE)
Description	
<pre> BEGIN ## for NTE: national (significant) number IF NTE THEN NatAdrl := national ENDIF ## for OutIE: IF OutIE THEN IF otherCC THEN NatAdrl:=international ELSE NatAdrl:=national ## ownCC is stripped off ENDIF ENDIF ## for ITE: IF ITE THEN NatAdrl:= International ENDIF ## for IncIE: international number with country code IF IncIE THEN NatAdrl=international ENDIF ## return the nature of address indicators Return (NatAdrl) END </pre>	

Continued on next page

Continued from previous page

Test Suite Operation Definition
Detailed Comments :

Test Suite Operation Definition
Operation Name : TSO_s_bwd(AdSg: HEX_N) Result Type : HEX_N Comments : Prepares the number to be sent in the backward direction with NatAdrl, depending on the role of the exchange and the number given. Note only applicable for intermediate exchanges InterME =(NTE, OutIE, ITE, IncIE)
Description
BEGIN ## for NTE and IncIE: national (significant) numbers – do nothing ## for OutIE and ITE: international numbers with country code IF OutIE OR ITE THEN IF TCV_otherCC THEN AdSg:=TSO_hex_strcat(TSP_foreignCC,AdSg) ELSE AdSg:= TSO_hex_strcat(TSP_ownCC,AdSg) ENDIF ENDIF ## return the address signals Return (AdSg) END
Detailed Comments :

Test Suite Operation Definition	
Operation Name : TSO_s_bwd_NatAdrl	
Result Type : BIT_7	
Comments : Prepares the number to be sent in the backward direction with NatAdrl, depending on the role of the exchange and the number given. Note only applicable for intermediate exchanges IntermE =(NTE, OutIE, ITE, IncIE)	
Description	
<pre>BEGIN ## for NTE and IncIE: national (significant) numbers IF NTE OR IncIE THEN NatAdrl := national ENDIF ## for OutIE and ITE: international numbers with country code IF OutIE OR ITE THEN NatAdrl:= international ENDIF ## return the nature of address indicators Return (NatAdrl) END</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_OLE_queue_empty
Result Type :	BOOLEAN
Comments :	To check if a CCBS request is stored in the queue
Description	
{ return(TRUE); }	
Detailed Comments : Check on the console that the queue is empty	

Test Suite Operation Definition	
Operation Name :	TSO_HEX_TO_ASN1_ANY(val_Nb_Sub: HEX_N)
Result Type :	ASN1_ANY
Comments :	
Description	
{ convert the hexstring val_Nb_Sub to an ASN.1 ANY }	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_CALC_FIE_LENGTH(COMP: Component)
Result Type :	FIE_LengthType
Comments :	This operation is used to calculate the length of a Facility information element that carries a component.
Description	
The return value represents the length of the contents of a Facility information element in which this test suite operation is called depending on the number and the contents of the ROSE components included.	
Detailed Comments : &COMMON_N09	

Test Suite Operation Definition	
Operation Name :	TSO_CALC_NUM_LENGTH (NUM: HEX_N)
Result Type :	OCTETSTRING
Comments :	This operation is used to calculate the length of a Subscriber Number parameter
Description	
The return value represents the length of the Subscriber Number parameter (LENGTH(NUM)).	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_INT_TO_OCT(val_cause: ASN1_INT)
Result Type :	ASN1_OCT_1
Comments :	
Description	
{ convert the integer to an octetstring }	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_set_InvokeID
Result Type :	InvokeIDType
Comments :	Calculates the correct value of the InvokeID for a dialogue which is initiated by the LT.
Description	
{ TCV_invoke_ID++; if(TCV_invoke_ID > 127) TCV_invoke_ID = 1; return(TCV_invoke_ID); }	
Detailed Comments : The InvokeID has to be calculated for each INVOKE operation. The last used InvokeID is saved in TCV_invoke_ID.	

Test Suite Operation Definition	
Operation Name : TSO_ASSIGN_CHI(basic_rate, primary : CHI; basic_flag : BOOLEAN)	
Result Type : CHI	
Comments :	
Description	
{ if(basic_flag) return basic_rate; /* Testing the basic access */ else return primary; /* Testing the primary rate access */ }	
Detailed Comments : &COMMON_N10	

Test Suite Operation Definition	
Operation Name : TSO_HEX_TO_OCTET(NUM: HEX_N)	
Result Type : OCTETSTRING	
Comments :	
Description	
{ return HEX_TO_OCT(NUM) }	
Detailed Comments :	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
OLE	BOOLEAN	PICS Table A.1/1	Originating exchange
NTE	BOOLEAN	PICS Table A.1/2	Transit national exchange
OutIE	BOOLEAN	PICS Table A.1/3	Outgoing international exchange
ITE	BOOLEAN	PICS Table A.1/4	Transit international exchange
InclE	BOOLEAN	PICS Table A.1/5	Incoming international exchange
DLE	BOOLEAN	PICS Table A.1/6	Destination exchange
TSP_GenNb	BOOLEAN	PICS Table A.2/4	Support Generic number transfer
TSP_simple_serv_act	BOOLEAN	PICS Table A.2/7	Support simple service activation procedure
TSP_CLIP	BOOLEAN	PICS Table A.3/1	Support CLIP
TSP_CLIR	BOOLEAN	PICS Table A.3/2	Support CLIR
TSP_COLP	BOOLEAN	PICS Table A.3/3	Support COLP
TSP_COLR	BOOLEAN	PICS Table A.3/4	Support COLR
TSP_TP	BOOLEAN	PICS Table A.3/5	Support TP
TSP_UUS	BOOLEAN	PICS Table A.3/6	Support UUS
TSP_CUG	BOOLEAN	PICS Table A.3/7	Support CUG
TSP_SUB	BOOLEAN	PICS Table A.3/8	Support SUB
TSP_MCID	BOOLEAN	PICS Table A.3/9	Support MCID
TSP_CONF	BOOLEAN	PICS Table A.3/10	Support CONF
TSP_ECT	BOOLEAN	PICS Table A.3/11	Support ECT
TSP_CFB	BOOLEAN	PICS Table A.3/12	Support CFB
TSP_CFNr	BOOLEAN	PICS Table A.3/13	Support CFNR
TSP_CFU	BOOLEAN	PICS Table A.3/14	Support CFU
TSP_CD	BOOLEAN	PICS Table A.3/15	Support CD

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_HOLD	BOOLEAN	PICS Table A.3/16	Support HOLD
TSP_CW	BOOLEAN	PICS Table A.3/17	Support CW
TSP_CCBS	BOOLEAN	PICS Table A.3/18	Support CCBS
TSP_3PTY	BOOLEAN	PICS Table A.3/19	Support 3PTY
TSP_CCNR	BOOLEAN	PICS Table A.3/20	Support CCNR
TSP_Omit_CgPN	BOOLEAN	PICS Table A.4/1	Omit CgPN at the OutIE in case of bilateral agreements
TSP_Omit_addCgPN	BOOLEAN	PICS Table A.4/2	Omit addCgPN in GenNb at the OutIE in case of bilateral agreements
TSP_Add_prefix_CgPN	BOOLEAN	PICS Table A.4/4	Add a prefix to the CgPN in the IncIE and set NATAdrl to 'unknown'
TSP_CgPN_APRI2	BOOLEAN	PICS Table A.4/5	@ Support 'address not available' in APRI of CgPN in the IncIE
TSP_Disc_CgPN	BOOLEAN	PICS Table A.5/1	Discard restricted CgPN at the OutIE in case of bilateral agreements
TSP_Disc_addCgPN	BOOLEAN	PICS Table A.5/2	Discard restricted addCgPN in GenNb at the OutIE in case of bilateral agreements
TSP_Add_prefix_ConNb	BOOLEAN	PICS Table A.6/1	Add a prefix to the ConNb in the OutIE and set NATAdrl to 'unknown'

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_Omit_ConNb	BOOLEAN	PICS Table A.6/2	Omit ConNb at the IncIE in case of bilateral agreements
TSP_Omit_addConNb	BOOLEAN	PICS Table A.6/3	Omit add.ConNb in GenNb at the IncIE in case of bilateral agreements
TSP_ConNb_APRI2	BOOLEAN	PICS Table A.6/4	Set APRI to 'address not available' and zero AdSg of ConNb in the IncIE
TSP_deliver_COL	BOOLEAN	PICS Table A.6/5	DLE delivers COL
TSP_Disc_ConNb	BOOLEAN	PICS Table A.7/1	Discard restricted ConNb at the IncIE in case of bilateral agreements
TSP_Disc_addConNb	BOOLEAN	PICS Table A.7/2	Discard restricted addConNb in GenNb at the IncIE in case of bilateral agreements
TSP_ConNb_APRI2_restr	BOOLEAN	PICS Table A.7/3	Set APRI to 'address not available' and zero AdSg of restricted ConNb in the IncIE
TSP_disc_SUS_RES_NO_TP	BOOLEAN	PICS Table A.8/1	Discard SUS and RES if the national network does not support TP
TSP_reject_call_NO_CUG	BOOLEAN	PICS Table A.8/2	Reject correctly CUG calls if the national network does not support CUG
TSP_MCID_not_included	BOOLEAN	PICS Table A.8/3	Return an IRS with "MCID not included" if the national network does not support MCID

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_32_UUInf	BOOLEAN	PICS Table A.9/1	Support the user-to-user information with at least 32 octets as user information
TSP_UUS1_I	BOOLEAN	PICS Table A.9/3	Support UUS1 implicit
TSP_UUS1_E	BOOLEAN	PICS Table A.9/4	Support UUS1 explicit
TSP_Rej_or_Disc	BOOLEAN	PICS Table A.9/5	Support the rejection procedure of an explicit service request or discarding of user-to-user information
TSP_UUS2	BOOLEAN	PICS Table A.9/6	Support UUS2
TSP_deliver_UUInf_after_ANM	BOOLEAN	PICS Table A.9/7	DLE delivers user-to-user information after ANM
TSP_UUS3	BOOLEAN	PICS Table A.9/8	Support UUS3
TSP_convert_CUG	BOOLEAN	PICS Table A.10/3	Support conversion of CUG codes (nat/internat)
TSP_Incl_SUB_MCID	BOOLEAN	PICS Table A.12/1	OLE includes SUB in IDS as part of the MCID service.
TSP_Reg_OriCdNb_RgNb_MCID	BOOLEAN	PICS Table A.12/3	DLE registers CDIV related numbering information.
TSP_Modify_MCID_resp	BOOLEAN	PICS Table A.12/5	InclE modifies MCIDRs and includes available info.
TSP_user_notif	BOOLEAN	PICS Table A.13/1	User notification procedure supported (CONF)
TSP_max_participant	INTEGER	PICS Table A.13/2	Maximum number of participants supported if not 3

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_store_remote_numbers	BOOLEAN	PICS Table A.14/1	Local exchange is able to store CgPN/ConNb or addCgPN/addConNb
TSP_loop_prevention	BOOLEAN	PICS Table A.14/2	Loop prevention procedure supported
TSP_CT_TECT_expiry	BOOLEAN	PICS Table A.14/5	Call transfer upon timer T(ECT) expiry
TSP_omit_CTNb	BOOLEAN	PICS Table A.14/6	Omit the CTNb if APRI indicates 'restricted'
TSP_return_LOP_ins_inf	BOOLEAN	PICS Table A.14/7	Return LOP showing 'insufficient information'
TSP_CT_LOP_ins_inf	BOOLEAN	PICS Table A.14/9	Call transfer if LOP shows 'insufficient information'
TSP_max_5_div	BOOLEAN	PICS Table A.15/2	Support maximum 5 diversions
TSP_max_div	INTEGER	PICS Table A.15/2	Maximum number of diversions supported if not 5
TSP_Omit_OriCdNb	BOOLEAN	PICS Table A.15/11	Omit the OriCdNb in case of bilateral agreements
TSP_Omit_RgNb	BOOLEAN	PICS Table A.15/12	Omit the RgNb in case of bilateral agreements
TSP_Omit_RnNb	BOOLEAN	PICS Table A.15/13	Omit the RnNb in case of bilateral agreements
TSP_retain_call_option_A	BOOLEAN	PICS Table A.16/1	Retain call to served user until alerting begins at diverted_to user – late release (option A)

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_clear_call_option_B	BOOLEAN	PICS Table A.16/2	Clear call to served user on invocation of call diversion – immediate release (option B)
TSP_support_CFNR_timer	BOOLEAN	PICS Table A.16/5	Support of CFNR timer
TSP_HOLD_after_alert	BOOLEAN	PICS Table A.17/2	Support Call HOLD by the calling user after alerting has commenced
TSP_HOLD_after_all_inf	BOOLEAN	PICS Table A.17/1	Support Call HOLD as soon as the calling user has provided all of the information necessary for processing the call
TSP_HOLD_with_inband	BOOLEAN	PICS Table A.17/3	Supply the remote user with an in-band indication in case of interworking with PSTN
TSP_retain_option	BOOLEAN	PICS Table A.18/1	Supports the retain option
TSP_not_retain_option	BOOLEAN	NOT (PICS Table A.18/1)	Does not support the retain option
TSP_max_5CCBS_request	BOOLEAN	PICS Table A.18/2	Support the maximum number of 5 outstanding CCBS request . If not so specify the maximum
TSP_max_CCBS_request	INTEGER	PICS Table A.18/2	Maximum number of outstanding CCBS requests
TSP_CCBS_CgPN	BOOLEAN	PICS Table A.18/3	include the calling party number in the CCBS request
TSP_2nd_act_CCBS	BOOLEAN	PICS Table A.18/4	Treat a second identical activation of CCBS as new request

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_no_2nd_act_CCBS	BOOLEAN	PICS Table A.18/5	Reject a second identical activation of CCBS
TSP_max_CCBS_entries	INTEGER	PICS Table A.18/6	Support the maximum number of queue entries
TSP_max_5CCBS_entries	BOOLEAN	PICS Table A.18/6	Support the maximum number of 5 queue entries . If not so specify the maximum
TSP_CCBS_no_diagnostic_REL	BOOLEAN	PICS Table A.18/7	Initiate the CCBS supplementary service even if no diagnostic is received in the release message
TSP_CCBS_and_CFB	BOOLEAN	PICS Table A.18/9	Forward the CCBS call as a normal call in case of interaction between CCBS and CFB
TSP_TSUP	BOOLEAN	PICS Table A.18/19	Support interworking timer for the private network in CCBS
TSP_SPA_R	BIT_14	PIXIT Table B.1/1	SS No. 7 Signalling point code of the SUT on the AB interface (right side)
TSP_SPA_L	BIT_14	PIXIT Table B.1/2	SS No. 7 Signalling point code of the SUT on the AC interface (left side)
TSP_SPB	BIT_14	PIXIT Table B.1/3	SS No. 7 Signalling point code of the tester on the AB interface (right side)
TSP_SPC	BIT_14	PIXIT Table B.1/4	SS No. 7 Signalling point code of the tester on the AC interface (left side)

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_NI_R	BIT_2	PIXIT Table B.1/5	SS No. 7 Network indicator on the AB interface
TSP_NI_L	BIT_2	PIXIT Table B.1/6	SS No. 7 Network indicator on the AC interface
TSP_SLS_R	BIT_4	PIXIT Table B.1/7	SS No. 7 Signalling link selection on the AB interface. Note : The SLS bits are normal the four least significant bits of the CIC
TSP_SLS_L	BIT_4	PIXIT Table B.1/8	SS No. 7 Signalling link selection on the AC interface. Note : The SLS bits are normal the four least significant bits of the CIC
TSP_CIC_R	BIT_12	PIXIT Table B.1/9	SS No. 7 Circuit identification code on the AB interface
TSP_CIC_L	BIT_12	PIXIT Table B.1/10	SS No. 7 Circuit identification code on the AC interface
TSP_NB_CICS	INTEGER	PIXIT Table B.1/11	Number of SS No. 7 Circuit identification codes on the AB and AC interfaces
TSP_Alert_MNT	BOOLEAN	PIXIT Table B.1/12	Maintenance action selection (Is maintenance PCO supported in test platform?)
TSP_PCO_CAB	BOOLEAN	PIXIT Table B.1/13	PCO_CAB action selection (Is circuit PCO supported in test platform?)
TSP_Nb_A	HEX_N	PIXIT Table B.2/1	Subscriber number located at SPA

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_Nb_B	HEX_N	PIXIT Table B.2/2	Subscriber number located at SPB
TSP_Nb_C	HEX_N	PIXIT Table B.2/3	Subscriber number located at SPC
TSP_Nb_D	HEX_N	PIXIT Table B.2/4	Subscriber number located at SPD, beyond SPB
TSP_Nb_D2	HEX_N	PIXIT Table B.2/5	Subscriber number located at SPD, beyond SPB
TSP_Nb_D3	HEX_N	PIXIT Table B.2/6	Subscriber number located at SPD, beyond SPB
TSP_Nb_D4	HEX_N	PIXIT Table B.2/7	Subscriber number located at SPD, beyond SPB
TSP_Nb_E	HEX_N	PIXIT Table B.2/8	Subscriber number located at SPE, beyond SPC
TSP_ownCC	HEX_N	PIXIT Table B.2/9	Country code equal to that of the incoming network
TSP_foreignCC	HEX_N	PIXIT Table B.2/10	Country code not equal to that of the incoming network
TSP_prefix	HEX_N	PIXIT Table B.2/11	@ Prefix added to the international subscriber number
TSP_Nb_A_default	HEX_N	PIXIT Table B.3/1	Subscriber number which will be provided as default number by the network for UNI A
TSP_Nb_B_default	HEX_N	PIXIT Table B.3/2	Subscriber number which will be provided as default number by the network for UNI B

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_GenNb_B	HEX_N	PIXIT Table B.3/3	Additional subscriber number located at SPB
TSP_Nb_C_avail	HEX_N	PIXIT Table B.3/4	Information made available for MCID by the network for UNI C (the only info the gateway has, e.g. trunk #)
TSP_Nb_C_default	HEX_N	PIXIT Table B.3/5	Subscriber number which will be provided as default number by the network for UNI C
TSP_Nb_C_incomplete	HEX_N	PIXIT Table B.3/6	Subscriber number which will be provided as incomplete number by the network for UNI C
TSP_GenNb_C	HEX_N	PIXIT Table B.3/7	Additional subscriber number located at SPC
TSP_Nb_A_MSN	HEX_N	PIXIT Table B.3/8	Multiple subscriber number located at SPA
TSP_Nb_B_DDI	HEX_N	PIXIT Table B.3/9	Subscriber number with DDI located at SPB
TSP_Nb_B_MSN	HEX_N	PIXIT Table B.3/10	Multiple subscriber number located at SPB
TSP_Nb_C_Non_ISUP	HEX_N	PIXIT Table B.3/11	Subscriber number for which the call will be routed to signalling point C (SP C) e.g.R2
TSP_Nb_A_sameCUG_noIA	HEX_N	PIXIT Table B.3/12	Subscriber number located at SPA belonging to same CUG as the calling party – without incoming access

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_Nb_A_sameCUG_IA	HEX_N	PIXIT Table B.3/13	Subscriber number located at SPA belonging to same CUG as the calling party – with incoming access
TSP_Nb_A_otherCUG_noIA	HEX_N	PIXIT Table B.3/14	Subscriber number located at SPA belonging to a different CUG as the calling party – without incoming access
TSP_Nb_A_otherCUG_IA	HEX_N	PIXIT Table B.3/15	Subscriber number located at SPA belonging to a different CUG as the calling party – with incoming access
TSP_sub_address_length	OCT_1	PIXIT Table B.4/1	Length of sub-address
TSP_Sub_A	OCT_N	PIXIT Table B.4/2	Sub-address of UNI at SPA (IUT)
TSP_Sub_B	OCT_N	PIXIT Table B.4/3	Sub-address of UNI at SPB (right side)
TSP_Sub_C	OCT_N	PIXIT Table B.4/4	Sub-address of UNI at SPC (left side)
TSP_Sub_D	OCT_N	PIXIT Table B.4/5	Sub-address of UNI at SPD (beyond right side SPB)
TSP_Sub_E	OCT_N	PIXIT Table B.4/6	Sub-address of UNI at SPE (beyond left side SPC)
TSP_CUGIC_Ntwld	OCT_2	PIXIT Table B.4/7	Network identity of CUGIC e.g. '0490'H

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_CUGIC_Ntwld_int	OCT_2	PIXIT Table B.4/8	International network identity of CUGIC e.g. '0490'H
TSP_CUGIC_BinCode	OCT_2	PIXIT Table B.4/9	Binary code of CUGIC
TSP_CUGIC_BinCode_int	OCT_2	PIXIT Table B.4/10	International binary code of CUGIC
TSP_CTRef	OCT_1	PIXIT Table B.4/11	Call transfer reference
TSP_SGM	BOOLEAN	PICS Basic call Table A.13/7	Support of the segmentation procedure
TSP_PDDP	BOOLEAN	PICS Basic call Table A.13/11	Support of the propagation delay determination procedure
TSP_EC	BOOLEAN	PICS Basic call Table A.13/13	Support of the dynamic echo control procedure (usually 'No" -> Q.767 echo control procedure)
TSP_T2	INTEGER	PICS Basic call Table A.14/2	180
TSP_T7	INTEGER	PICS Basic call Table A.14/7	20..30
TSP_T9	INTEGER	PICS Basic call Table A.14/9	120..240 (Q.118)
TSP_T39	INTEGER	PICS Basic call Table A.14/39	12..15 s (Q.730)
TSP_TECT	INTEGER	PICS Table A.14/3	2..6 – Value of explicit call transfer timer (see Table 1; 12/ETS 300 356–14)
TSP_TCFNR	INTEGER	PICS Table A.16/5	Value of supported CFNR timer
TSP_CCBS_T1	INTEGER	PICS Table A.18/12	>15 s – CCBS retention timer at OLE

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_CCBS_T2	INTEGER	PICS Table A.18/13	10 s – CCBS request operation timer at OLE
TSP_CCBS_T3	INTEGER	PICS Table A.18/14	15..45 min – CCBS service duration timer at OLE
TSP_CCBS_T4	INTEGER	PICS Table A.18/15	10..20 s – CCBS recall timer at OLE
TSP_CCBS_T7	INTEGER	PICS Table A.18/16	60 min – CCBS service supervision timer at DLE
TSP_CCBS_T8	INTEGER	PICS Table A.18/17	15 s – CCBS destination B idle guard timer (at DLE)
TSP_CCBS_T9	INTEGER	PICS Table A.18/18	30 s – CCBS recall timer at DLE
TSP_T_SUP	INTEGER	PICS Table A.18/19	60 min – Supervision timer
TSP_T_WAIT	INTEGER	PIXIT Table B.5/1	Wait for some event timer (max 30 s)
TSP_T_GUARD	INTEGER	PIXIT Table B.5/2	Guard timer for the test case (min 30 s)
TSP_tol	INTEGER	PIXIT Table B.5/3	Tolerance for ISUP timers in percent
TSP_T_LOCAL	INTEGER	PIXIT Table B.5/4	1 s – Internal timer for testing CCBS–T8
TSP_maxB_channel	INTEGER	PIXIT Table B.6/1	Maximum number of B channels at the access side (needed for call waiting)
TSP_Orig_ISDN_access	BIT_1	PIXIT Table B.6/2	Use of ISDN access at origination ('1' B) or non-ISDN access ('0' B)

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_Dest_ISDN_access	BIT_1	PIXIT Table B.6/3	Use of ISDN access at destination ('1' B) or non-ISDN access ('0' B)
TSP_international_call	BOOLEAN	PIXIT Table B.6/4	Set up an international call for TRUE; a national call for FALSE (FCI.InatCI)
TSP_international_CdPN	BOOLEAN	PIXIT Table B.6/5	Use an international Called party number for TRUE; a national (significant) number for FALSE (CdPN.NatAdrl)
TSP_NatAdrl_R	BIT_7	PIXIT Table B.6/5a	Use of Nature of Address for called party number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_cg_R	BIT_7	PIXIT Table B.6/5b	Use of Nature of Address for calling party number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_cn_R	BIT_7	PIXIT Table B.6/5c	Use of Nature of Address for connected number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_rg_R	BIT_7	PIXIT Table B.6/5d	Use of Nature of Address for redirecting number international num (0000100) national number (0000011), MTC

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_NatAdrl_ocn_R	BIT_7	PIXIT Table B.6/5e	Use of Nature of Address for original called number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_rn_R	BIT_7	PIXIT Table B.6/5f	Use of Nature of Address for redirection number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_ctn_R	BIT_7	PIXIT Table B.6/5g	Use of Nature of Address for call transfer number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_cin_R	BIT_7	PIXIT Table B.6/5h	Use of Nature of Address for called IN number international num (0000100) national number (0000011), MTC
TSP_NatAdrl_L	BIT_7	PIXIT Table B.6/5i	Use of Nature of Address for called party number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_cg_L	BIT_7	PIXIT Table B.6/5j	Use of Nature of Address for calling party number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_cn_L	BIT_7	PIXIT Table B.6/5k	Use of Nature of Address for connected number international num (0000100) national number (0000011), PTC

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_NatAdrl_rg_L	BIT_7	PIXIT Table B.6/5l	Use of Nature of Address for redirecting number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_ocn_L	BIT_7	PIXIT Table B.6/5m	Use of Nature of Address for original called number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_rn_L	BIT_7	PIXIT Table B.6/5n	Use of Nature of Address for redirection number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_ctn_L	BIT_7	PIXIT Table B.6/5o	Use of Nature of Address for call transfer number international num (0000100) national number (0000011), PTC
TSP_NatAdrl_cin_L	BIT_7	PIXIT Table B.6/5p	Use of Nature of Address for called IN number international num (0000100) national number (0000011), PTC
TSP_PDC	INTEGER	PIXIT Table B.6/6	Propagation delay for incoming and outgoing route
TSP_PDC_X	INTEGER	PIXIT Table B.6/7	Propagation delay on incoming route in ms
TSP_PDC_D	INTEGER	PIXIT Table B.6/8	Propagation delay on outgoing route in ms

Continued on next page

Continued from previous page

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_LIPN1	OCTETSTRING	PIXIT Table B.7/1	Length of the IUT party number (including NPI) for DSS1
TSP_IPN1	OCTETSTRING	PIXIT Table B.7/2	IUT party number entered in IA5 format for DSS1
TSP_BASIC	BOOLEAN	PIXIT Table B.7/3	TRUE -> basic access FALSE -> primary rate access for DSS1
TSP_config	INTEGER		
Detailed Comments : All subscriber numbers are national significant numbers. International numbers are built using the specified country code. @: This parameter is for national use only. It shall not be received on the international interface.			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_CLIP	TSP_CLIP	CLIP supported
TCS_CLIR	TSP_CLIR	CLIR supported
TCS_COLP	TSP_COLP	COLP supported
TCS_COLR	TSP_COLR	COLR supported
TCS_TP	TSP_TP	TP supported
TCS_NO_TP	NOT TSP_TP	TP not supported
TCS_UUS	TSP_UUS	UUS supported
TCS_UUS1	TSP_UUS1_I OR TSP_UUS1_E	UUS1 supported
TCS_UUS1_I	TSP_UUS1_I	UUS1 implicit supported
TCS_NO_UUS1_I	NOT TSP_UUS1_I	UUS1 implicit not supported
TCS_UUS1_E	TSP_UUS1_I OR TSP_UUS1_E	UUS1 explicit supported
TCS_NO_UUS1_E	NOT TSP_UUS1_E	UUS1 explicit not supported
TCS_UUS2	TSP_UUS2	UUS2 supported
TCS_NO_UUS2	NOT TSP_UUS2	UUS2 not supported
TCS_UUS3	TSP_UUS3	UUS3 supported
TCS_NO_UUS3	NOT TSP_UUS3	UUS3 not supported
TCS_CUG	TSP_CUG	CUG supported
TCS_NO_CUG	NOT TSP_CUG	CUG not supported
TCS_SUB	TSP_SUB	SUB supported
TCS_MCID	TSP_MCID	MCID supported
TCS_NO_MCID	NOT TSP_MCID	MCID not supported
TCS_CONF	TSP_CONF	CONF supported
TCS_ECT	TSP_ECT	ECT supported

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_CDIV	TSP_CFB OR TSP_CFNr OR TSP_CFU OR TSP_CD	CDIV supported
TCS_CFB	TSP_CFB	CFB supported
TCS_CFNr	TSP_CFNr	CFNr supported
TCS_CFU	TSP_CFU	CFU supported
TCS_CD	TSP_CD	CD supported
TCS_HOLD	TSP_HOLD	HOLD supported
TCS_CW	TSP_CW	CW supported
TCS_CCBS	TSP_CCBS	CCBS supported
TCS_CCNr	TSP_CCNr	CCNr supported
TCS_3PTY	TSP_3PTY	3PTY supported
TCS_OLE	OLE	Origination local exchange
TCS_DLE	DLE	Destination local exchange
TCS_Transit	NTE OR ITE	Transit exchanges
TCS_InclE	InclE	Incoming international exchange
TCS_OutIE	OutIE	Outgoing international exchange
TCS_Gateway	OutIE OR InclE	International gateways
TCS_CntrlE	OLE OR OutIE	Controlling exchanges
TCS_IWorkE	TCS_Transit OR TCS_Gateway	Interworking exchanges
TCS_IntermE	TCS_Transit OR TCS_Gateway	Intermediate exchanges
TCS_LocalE	OLE OR DLE	Local exchange
TCS_PDDP	TSP_PDDP	propagation delay determination procedure

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_EC_Q767	NOT TSP_EC	Q.767 echo control procedure (not the dynamic echo control procedure)
TCS_OLE_and_Transit	TCS_OLE AND TCS_Transit	OLE and Transit
TCS_OLE_and_CCBS_CgPN	TCS_OLE AND TSP_CCBS_CgPN	OLE includes the calling party number in CCBS request call
TCS_OLE_and_no_2nd_act_CCBS	TCS_OLE AND TSP_no_2nd_act_CCBS	OLE rejects a second identical activation of CCBS
TCS_OLE_and_2nd_act_CCBS	TCS_OLE AND TSP_2nd_act_CCBS	OLE treats a second identical activation of CCBS as new request
TCS_OLE_and_max5CCBS_request	TCS_OLE AND TSP_max_5CCBS_request	OLE supports the maximum number of 5 outstanding CCBS request . If not so specify the maximum
TCS_OLE_and_no_diagnostic_REL	TCS_OLE AND TSP_CCBS_no_diagnostic_REL	OLE initiates the CCBS supplementary service even if no diagnostic is received in the release message
TCS_OLE_and_GenNb	TCS_OLE AND TSP_GenNb	Support of generic number transfer
TCS_OLE_and_SUB	TCS_OLE AND TCS_SUB	Calling party subscribed to SUB
TCS_OLE_and_MCID_SUB	TCS_OLE AND TSP_Incl_SUB_MCID	OLE Includes SUB in IRS (MCID response)
TCS_OLE_and_HOLD_after_alert	TCS_OLE AND TSP_HOLD_after_alert	OLE supports Call HOLD by the calling user after alerting has commenced
TCS_OLE_and_HOLD_after_all_inf	TCS_OLE AND TSP_HOLD_after_all_inf	OLE supports Call HOLD as soon as the calling user has provided all of the information necessary for processing the call
TCS_OLE_and_32_UUInf	TCS_OLE AND TSP_32_UUInf	Support of 32 octets user-to-user information
TCS_OLE_and_UUS2_UUS3	TCS_OLE AND (TSP_UUS2 OR TSP_UUS3)	OLE supports UUS2 or UUS3

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_OutIE_and_Omit_CgPN	TCS_OutIE AND TSP_Omit_CgPN	Bilateral agreement
TCS_OutIE_and_not_Omit_CgPN	TCS_OutIE AND NOT TSP_Omit_CgPN	Bilateral agreement
TCS_OutIE_and_Omit_addCgPN	TCS_OutIE AND TSP_Omit_addCgPN	Bilateral agreement
TCS_OutIE_and_Omit_OriCdNb	TCS_OutIE AND TSP_Omit_OriCdNb	Bilateral agreement
TCS_OutIE_and_Omit_RgNb	TCS_OutIE AND TSP_Omit_RgNb	Bilateral agreement
TCS_OutIE_and_Disc_CgPN	TCS_OutIE AND TSP_Disc_CgPN	Discard restricted CgPN
TCS_OutIE_and_Disc_addCgPN	TCS_OutIE AND TSP_Disc_addCgPN	Discard restricted addCgPN in GenNb
TCS_OutIE_and_MCID_not_included	TCS_OutIE AND NOT TSP_MCID	Return IRS with MCID not included for an originating national network not supporting the service
TCS_OutIE_and_Add_prefix_ConNb	TCS_OutIE AND TSP_Add_prefix_ConNb	@ Add international prefix to ConNb
TCS_InclIE_and_CgPN_APRI2	TCS_InclIE AND TSP_CgPN_APRI2	@ 'address not available' CgPN
TCS_InclIE_and_Add_prefix_CgPN	TCS_InclIE AND TSP_Add_prefix_CgPN	@ Add international prefix to CgPN
TCS_InclIE_and_ConNb_APRI2	TCS_InclIE AND TSP_ConNb_APRI2	@ 'address not available' ConNb
TCS_InclIE_and_ConNb_APRI2_restr	TCS_InclIE AND TSP_ConNb_APRI2	'address not available' restricted ConNb
TCS_InclIE_and_Disc_addConNb	TCS_InclIE AND TSP_Disc_addConNb	Discard restricted addConNb in GenNb
TCS_InclIE_and_Disc_ConNb	TCS_InclIE AND TSP_Disc_ConNb	Discard restricted ConNb
TCS_InclIE_and_reject_call_NO_CUG	TCS_InclIE AND TSP_reject_call_NO_CUG	Reject correctly CUG calls if the national network does not support CUG
TCS_InclIE_and_Modify_MCID_resp	TCS_InclIE AND TSP_Modify_MCID_resp	Change MCIDRs from 0 to 1 and include available information
TCS_InclIE_and_Omit_ConNb	TCS_InclIE AND TSP_Omit_ConNb	Bilateral agreement
TCS_InclIE_and_Omit_addConNb	TCS_InclIE AND TSP_Omit_addConNb	Bilateral agreement
TCS_InclIE_and_Omit_RnNb	TCS_InclIE AND TSP_Omit_RnNb	Bilateral agreement

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_Gateway_and_convert_CUG	TCS_Gateway AND TSP_convert_CUG	Support of CUG code conversion (national/international)
TCS_Gateway_and_disc_SUS_RES_NO_TP	TCS_Gateway AND TSP_disc_SUS_RES_NO_TP	Discard SUS and RES if the national network does not support TP
TCS_Gateway_and_omit_CTNb	TCS_Gateway AND TSP_omit_CTNb	Omit CTNb if gateway
TCS_Gateway_and_rej_UUS_E_or_disc_UUI nf	TCS_Gateway AND TSP_Rej_or_Disc	Gateway exchange supports the rejection procedure of an explicit service request or discarding of user-to-user information
TCS_DLE_and_CDIV	TCS_DLE AND TCS_CDIV	Call diverting exchange
TCS_DLE_and_CFNR_timer	TCS_DLE AND TSP_support_CFNR_timer	CFNR timer implemented
TCS_DLE_and_COLP	TCS_DLE AND TSP_COLP	Called party subscribed to COLP
TCS_DLE_and_CLIP	TCS_DLE AND TSP_CLIP	Called party subscribed to CLIP
TCS_DLE_and_CUG	TCS_DLE AND TCS_CUG	Called party subscribed to CUG
TCS_DLE_and_MCID	TCS_DLE AND TSP_MCID	Called party subscribed to SUB
TCS_DLE_and_MCID_reg_CDIV	TCS_DLE AND TSP_Reg_OriCdNb_RgNb_MCID	Register CDIV related numbering information
TCS_DLE_and_not_deliver_COL	TCS_DLE AND NOT TSP_deliver_COL	DLE doesn't deliver the COL
TCS_DLE_and_option_A	TCS_DLE AND TSP_retain_call_option_A	Option A DLE
TCS_DLE_and_option_B	TCS_DLE AND TSP_clear_call_option_B	Option B DLE
TCS_DLE_and_max5div	TCS_DLE AND TSP_max_5_div	DLE with max.5 diversions supported
TCS_DLE_and_max5div_and_opt_A	TCS_DLE AND TSP_max_5_div AND TSP_retain_call_option_A	Option A DLE with max.5 diversions supported
TCS_DLE_and_max5div_and_opt_B	TCS_DLE AND TSP_max_5_div AND TSP_clear_call_option_B	Option B DLE with max.5 diversions supported

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_DLE_and_SUB	TCS_DLE AND TCS_SUB	Called party subscribed to SUB
TCS_DLE_and_user_GenNot	TCS_DLE AND TSP_user_notif	DLE sends REL with 'CCBS possible'
TCS_DLE_and_retain_option	TCS_DLE AND TSP_retain_option	DLE supports the retain option
TCS_DLE_and_not_retain_option	TCS_DLE AND TSP_not_retain_option	DLE does not support the retain option
TCS_DLE_and_CCBS_and_CFB	TCS_DLE AND TSP_CCBS_and_CFB	DLE forwards the CCBS call as a normal call
TCS_DLE_and_max5CCBS_entries	TCS_DLE AND TSP_max_5CCBS_entries	DLE supports the maximum number of 5 queue entries . If not so specify the maximum
TCS_DLE_and_PDDP	TCS_DLE AND TCS_PDDP	DLE supporting the propagation delay determination procedure
TCS_DLE_and_UUS2_UUS3	TCS_DLE AND (TSP_UUS2 OR TSP_UUS3)	DLE supports explicit request of UUS2 (or UUS3)
TCS_DLE_and_deliver_UUInf_after_ANM	TCS_DLE AND TSP_deliver_UUInf_after_ANM	DLE delivers user-to-user information after the user has answered the call
TCS_Local_and_store_remote_numbers	TCS_LocalE AND TSP_store_remote_numbers	Local exchange is able to store CgPN/ConNb or addCgPn/addConNb
TCS_Local_and_loop_prevention	TCS_LocalE AND TSP_loop_prevention	Local exchange supports the loop prevention procedure
TCS_Local_and_CT_TECT_expiry	TCS_LocalE AND TSP_loop_prevention AND TSP_CT_TECT_expiry	Complete call transfer upon T(ECT) expiry
TCS_Local_and_no_CT_TECT_expiry	TCS_LocalE AND TSP_loop_prevention AND NOT TSP_CT_TECT_expiry	Reject call transfer upon T(ECT) expiry
TCS_Local_and_CT_LOP_ins_inf	TCS_LocalE AND TSP_loop_prevention AND TSP_CT_LOP_ins_inf	Complete call transfer if LOP shows 'insufficient information'
TCS_Local_and_no_CT_LOP_ins_inf	TCS_LocalE AND TSP_loop_prevention AND NOT TSP_CT_LOP_ins_inf	Reject call transfer f LOP shows 'insufficient information'

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_Local_and_HOLD	TCS_OLE AND TSP_HOLD	Local exchange supports Call HOLD
TCS_Local_and_user_GenNot	TCS_LocalE AND TSP_user_notif	Local exchange supports the user notification procedure (CONF)
TCS_Local_and_max_participant	TCS_LocalE AND (TSP_max_participant > 3)	Local exchange supports which maximum number of conference participants (CONF)
TCS_Local_and_retain_option	TCS_LocalE AND TSP_retain_option	Local supports the retain option
TCS_Local_and_TSUP	TCS_LocalE AND TSP_TSUP	Local supports the interworking timer TSUP
TCS_Local_and_simple_serv_act	TCS_LocalE AND TSP_simple_serv_act	Support simple service activation procedure
TCS_Local_and_UUS1_E_UUS2	TCS_LocalE AND (TSP_UUS1_E OR TSP_UUS2)	Local exchange supports explicit request of UUS1 or UUS2
TCS_Local_and_UUS1_E_UUS3	TCS_LocalE AND (TSP_UUS1_E OR TSP_UUS3)	Local exchange supports explicit request of UUS1 or UUS3
TCS_Local_and_UUS2_UUS3	TCS_LocalE AND (TSP_UUS2 OR TSP_UUS3)	Local exchange supports UUS2 or UUS3
TCS_Local_and_UUS3	TCS_LocalE AND TSP_UUS3	Local exchange supports service UUS3
TCS_Local_and_EC	TCS_LocalE AND TSP_EC	Local exchange supports dynamic echo control procedure
TCS_Local_and_PDDP_and_EC	TCS_LocalE AND TSP_PDDP AND TSP_EC	Local exchange supports propagation delay determination and dynamic echo control procedures
TCS_Interm_and_loop_prevention	TCS_IntermE AND TSP_loop_prevention	Intermediate exchange supports the loop prevention procedure
TCS_IntermE_OLE	TCS_OLE OR TCS_IntermE	Intermediate exchanges or OLE
TCS_IntermE_DLE	TCS_IntermE OR TCS_DLE	Intermediate exchanges or DLE

Continued on next page

Continued from previous page

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
TCS_IntermE_and_user_GenNot	TCS_IntermE AND TSP_user_notif	Intermediate exchange supports the user notification procedure (CONF)
TCS_IWorkE_and_return_LOP_ins_inf	TCS_IWorkE AND TSP_return_LOP_ins_inf	Interworking exchange returning LOPlc set to 'insufficient information'
TCS_IWorkE_and_HOLD_with_inband	TCS_IWorkE AND TSP_HOLD_with_inband	Supply the remote user with an in-band indication in case of interworking with PSTN
Detailed Comments : @: National use only		

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
Local	BOOLEAN	OLE OR DLE	Local exchange
Interm	BOOLEAN	OutIE OR IncIE OR ITE OR NTE	Intermediate exchange
CFB	BIT_4	'0001'B	RnReas
CFNR	BIT_4	'0010'B	RnReas
CFU	BIT_4	'0011'B	RnReas
CDa	BIT_4	'0100'B	RnReas
CDi	BIT_4	'0101'B	RnReas
CFNRc	BIT_4	'0110'B	RnReas: Mobile subscriber not reachable
NoInd	BIT_2	'00'B	No indication for CdPSI and CdPC
subsfree	BIT_2	'01'B	Subscriber free (CdPSI)
subscriber	BIT_7	'0000001'B	NatAdrl=subscriber number
unknown_num	BIT_7	'0000010'B	NatAdrl=unknown
national	BIT_7	'0000011'B	NatAdrl=national (significant) number
international	BIT_7	'0000100'B	NatAdrl=international number
allowed	BIT_2	'00'B	APRI presentation allowed
restricted	BIT_2	'01'B	APRI presentation restricted
add_no_avail	BIT_2	'10'B	APRI address not available
incomplete	BIT_1	'1'B	CgPNII number incomplete indicator
ISUPpreferred	BIT_2	'00'B	FCI: ISDN user part preferred all the way

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
ISUPnot_required	BIT_2	'01'B	FCI: ISDN user part not required all the way
ISUPrequired	BIT_2	'10'B	FCI: ISDN user part required all the way
provided	BIT_2	'10'B	UUInd: service provided
netw_provided	BIT_2	'11'B	Scrl: network provided
user_provided_vaf	BIT_2	'10'B	Scrl: user provided, verified and failed
user_provided	BIT_2	'01'B	Scrl: user provided, verified and passed
user_provided_nov	BIT_2	'00'B	Scrl: user provided, not verified
no_info	BIT_2	'00'B	UUInd: no information
not_provided	BIT_2	'01'B	UUInd: service not provided
req_essential	BIT_2	'11'B	UUInd: service request essential
req_not_essential	BIT_2	'10'B	UUInd: service request not essential
CCBSPoss	BIT_8	'00000001'B	CCBS possible in diagnostic
CCBSnotPoss	BIT_8	'00000010'B	CCBS not possible in diagnostic
addCgPN	BIT_8	'00000110'B	add. calling party number
addCdPN	BIT_8	'00000001'B	add. called party number
addOriCdNb	BIT_8	'00000111'B	add. original called number
addConNb	BIT_8	'00000101'B	add. connected number
addRgNb	BIT_8	'00001000'B	add. redirecting number
addRnNb	BIT_8	'00001001'B	add. redirection number

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
alerting_inf	BIT_7	'0000001'B	alerting
progress	BIT_7	'0000010'B	call progress
hold	BIT_7	'1111001'B	remote hold
retrieve	BIT_7	'1111010'B	remote retrieval
waiting	BIT_7	'1100000'B	call waiting
conf_disc	BIT_7	'1000011'B	conference disconnected
conf_est	BIT_7	'1000010'B	conference established
isolated	BIT_7	'1000101'B	isolated
other_party_add	BIT_7	'1000100'B	other party added
other_party_disc	BIT_7	'1001010'B	other party disconnected
other_party_isolated	BIT_7	'1000111'B	other party isolated
other_party_reattached	BIT_7	'1001000'B	other party reattached
other_party_split	BIT_7	'1001001'B	other party split
reattached	BIT_7	'1000110'B	reattached
ctalert	BIT_7	'1101001'B	call transfer, alerting
ctactive	BIT_7	'1101010'B	call transfer, active
CV_16	BIT_7	'0010000'B	#16 Normal call clearing
CV_17	BIT_7	'0010001'B	#17 User busy
CV_18	BIT_7	'0010010'B	#18 No user responding
CV_19	BIT_7	'0010011'B	#19 No answer from user (user alerted)
CV_21	BIT_7	'0010101'B	#21 Call rejected
CV_27	BIT_7	'0011011'B	#27 Destination out of order

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
CV_29	BIT_7	'0011101'B	#29 Facility rejected
CV_34	BIT_7	'0100010'B	#34 No circuit/channel available
CV_55	BIT_7	'0110111'B	#55 Incoming calls barred within CUG
CV_69	BIT_7	'1000101'B	#69 Requested facility not implemented
CV_87	BIT_7	'1010111'B	#87 User not member of CUG
CV_88	BIT_7	'1011000'B	#88 Incompatible destination
CV_102	BIT_7	'1100110'B	#102 Recovery on timer expiry
CV_111	BIT_7	'1101111'B	#111 Protocol error, unspecified
PN_ADInf	BIT_8	'00101110'B	Access delivery information
PN_ATP	BIT_8	'00000011'B	Access transport
PN_ACL	BIT_8	'00100111'B	Automatic congestion level
PN_BCI	BIT_8	'00010001'B	Backward call indicators
PN_BackGVNS	BIT_8	'01001101'B	Backward GVNS
PN_CDInf	BIT_8	'00110110'B	Call diversion information
PN_CDivTrInd	BIT_8	'01101110'B	Call diversion treatment indicator
PN_CHInf	BIT_8	'00101101'B	Call history information
PN_COffTrInd	BIT_8	'01110000'B	Call offering treatment indicator
PN_CRef	BIT_8	'00000001'B	Call reference
PN_CTNb	BIT_8	'01000101'B	Call transfer number
PN_CTRef	BIT_8	'01000011'B	Call transfer reference
PN_CdINnum	BIT_8	'01101111'B	Called IN number

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
PN_CdPN	BIT_8	'00000100'B	Called party number, also 3.10...
PN_CgPN	BIT_8	'00001010'B	Calling party number, also 3.16...
PN_CgPC	BIT_8	'00001001'B	Calling party's category
PN_CICState	BIT_8	'00100110'B	Circuit state indicator
PN_Cause	BIT_8	'00010010'B	Cause indicators
PN_ChPtyId	BIT_8	'01110001'B	Charged party identification
PN_CctAssMap	BIT_8	'00100101'B	Circuit assignment map
PN_CICGrp	BIT_8	'00010101'B	Circuit group supervision message type indicator
PN_CUGIC	BIT_8	'00011010'B	Closed user group interlock code
PN_CCNRpos	BIT_8	'01111010'B	CCSS parameter
PN_CCSSpar	BIT_8	'01001011'B	CCSS parameter
PN_ColCReq	BIT_8	'01111001'B	Collect call request
PN_ConTrInd	BIT_8	'01110010'B	Conference treatment indicators
PN_ConNb	BIT_8	'00100001'B	Connected number
PN_ConRq	BIT_8	'00001101'B	Connection request
PN_ContInd	BIT_8	'00010000'B	Continuity indicators
PN_CorrID	BIT_8	'01100101'B	correlation id
PN_DisInf	BIT_8	'01110011'B	display information
PN_EchoInf	BIT_8	'00110111'B	Echo control information
PN_EndOP	BIT_8	'00000000'B	End of optional parameters
PN_EvInf	BIT_8	'00100100'B	Event information
PN_FacIc	BIT_8	'00011000'B	Facility indicator

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
PN_FCI	BIT_8	'00000111'B	Forward call indicators
PN_ForGVNS	BIT_8	'01001100'B	forward GVNS
PN_GenDig	BIT_8	'11000001'B	Generic digits
PN_GenNot	BIT_8	'00101100'B	Generic notification indicator
PN_GenNb	BIT_8	'11000000'B	Generic number
PN_GenRef	BIT_8	'01000010'B	Generic reference
PN_HopCnt	BIT_8	'00111101'B	Hop counter
PN_InfInd	BIT_8	'00001111'B	Information indicators
PN_InfRq	BIT_8	'00001110'B	Information request indicators
PN_LocNb	BIT_8	'00111111'B	Location number
PN_LOPIc	BIT_8	'01000100'B	Loop prevention indicators
PN_MCIDRq	BIT_8	'00111011'B	MCID request indicator
PN_MCIDRs	BIT_8	'00111100'B	MCID response indicator
PN_MsgCmp	BIT_8	'00111000'B	Message compatibility information
PN_MLPPpre	BIT_8	'00111010'B	MLPP precedence
PN_NatCon	BIT_8	'00000110'B	Nature of connection indicators
PN_NetManCon	BIT_8	'01011011'B	network management controls
PN_NtwFac	BIT_8	'00101111'B	Network specific facility
PN_OBCI	BIT_8	'00101001'B	Optional backward call indicators
PN_OFCI	BIT_8	'00001000'B	Optional forward call indicators
PN_OriCdNb	BIT_8	'00101000'B	Original called number
PN_OriISC	BIT_8	'00101011'B	Origination ISC point code

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
PN_ParCmp	BIT_8	'00111001'B	Parameter compatibility information
PN_PDC	BIT_8	'00110001'B	Propagation delay counter
PN_RngSts	BIT_8	'00010110'B	Range and status
PN_RgNb	BIT_8	'00001011'B	Redirecting number
PN_RnInf	BIT_8	'00010011'B	Redirection information
PN_RnNb	BIT_8	'00001100'B	Redirection number
PN_RnNbRes	BIT_8	'01000000'B	Redirection number restriction parameter.
PN_RemOp	BIT_8	'00110010'B	Remote operations
PN_SCFid	BIT_8	'01100110'B	SCF id
PN_ServAct	BIT_8	'00110011'B	Service activation
PN_SPC	BIT_8	'00011110'B	Signalling point code
PN_SubNb	BIT_8	'00000101'B	Subsequent number
PN_SusRes	BIT_8	'00100010'B	Suspend/resume indicators
PN_TNtwSel	BIT_8	'00100011'B	Transit network selection
PN_TMR	BIT_8	'00000010'B	Transmission medium requirement
PN_TMRp	BIT_8	'00111110'B	Transmission medium requirement prime
PN_TMU	BIT_8	'00110101'B	Transmission medium used
PN_UIDAcInd	BIT_8	'01110100'B	UID action indicators
PN_UIDcapInd	BIT_8	'01110101'B	UID capability indicators
PN_USI	BIT_8	'00011101'B	User service information
PN_USIp	BIT_8	'00110000'B	User service information prime

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
PN_UTI	BIT_8	'00110100'B	User teleservice information
PN_UUInd	BIT_8	'00101010'B	User-to-user indicators
PN_UUInf	BIT_8	'00100000'B	User-to-user information
ASP_Begin_ind	ASN1_OCT_1	'10'H	
ASP_Begin_req	ASN1_OCT_1	'20'H	
ASP_Continue_ind	ASN1_OCT_1	'11'H	
ASP_Continue_req	ASN1_OCT_1	'21'H	
ASP_End_ind	ASN1_OCT_1	'12'H	
ASP_End_req	ASN1_OCT_1	'22'H	
ASP_U_Abort_ind	ASN1_OCT_1	'13'H	
ASP_U_Abort_req	ASN1_OCT_1	'23'H	
ASP_P_Abort_ind	ASN1_OCT_1	'14'H	
ASP_Invoke_ind	ASN1_OCT_1	'15'H	
ASP_Invoke_req	ASN1_OCT_1	'25'H	
ASP_Result_L_ind	ASN1_OCT_1	'16'H	
ASP_Result_L_req	ASN1_OCT_1	'26'H	
ASP_Result_NL_ind	ASN1_OCT_1	'17'H	
ASP_Result_NL_req	ASN1_OCT_1	'27'H	
ASP_Error_ind	ASN1_OCT_1	'18'H	
ASP_Error_req	ASN1_OCT_1	'28'H	
ASP_Reject_ind	ASN1_OCT_1	'19'H	
ASP_Reject_req	ASN1_OCT_1	'29'H	
ASP_Cancel_ind	ASN1_OCT_1	'30'H	

Continued on next page

Continued from previous page

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
ASP_Cancel_req	ASN1_OCT_1	'40'H	
IDP_LocalValue	OpLocalValue	0	Q.1218 / p.60
CON_LocalValue	OpLocalValue	20	Q.1218 / p.60
COI_LocalValue	OpLocalValue	27	Q.1218 / p.61
ERB_LocalValue	OpLocalValue	24	Q.1218 / p.60
RCALL_LocalValue	OpLocalValue	22	Q.1218 / p.60
RRB_LocalValue	OpLocalValue	23	Q.1218 / p.60
TSC_FREE	BOOLEAN	TRUE	
TSC_BUSY	BOOLEAN	FALSE	
TSC_UUI_32	OCTETSTRING	'5065746572202046726F656C69 63682054454C535441'O	UUInformation coded in IA5
TSC_ConfEst_NID	OCTETSTRING	'C2'O	Notification description coded as "conference established".
TSC_Isolated_NID	OCTETSTRING	'C5'O	Notification description coded as "Isolated".
TSC_OtherPtyAdded_NID	OCTETSTRING	'C4'O	Notification description coded as "other party added".
TSC_OtherPtyDisconnected_NID	OCTETSTRING	'CA'O	Notification description coded as "other party disconnected".
TSC_Reattached_NID	OCTETSTRING	'C6'O	Notification description coded as "Reattached".
Detailed Comments :			

Test Suite Variable Declarations			
Variable Name	Type	Value	Comments
TSV_BASIC	BOOLEAN		TRUE -> basic access FALSE -> primary rate access (DSS1)
TSV_BCHNUM1	BIT7OR8		B-channel for call, BITSTRING[7..8] for TSV_CREF1 (DSS1)
TSV_BCHNUM2	BIT7OR8		B-channel for call, BITSTRING[7..8] for TSV_CREF2 (DSS1)
TSV_BCHNUMREL	BIT7OR8		B-channel for call, BITSTRING[7..8] for channel to be released in CW (DSS1)
TSV_CREF1	BIT7OR15		Call Ref. value (DSS1)
TSV_CREF2	BIT7OR15		Call Ref. value (DSS1)
TSV_CREF3	BIT7OR15		Call Ref. value (DSS1)
TSV_GLOBCREF	BIT7OR15		Call Ref. value (DSS1)
TSV_CRLENGTH	CR_LENGTH_TYPE		Call Reference length value (1..2) (DSS1)
TSV_BCAPL	OCTETSTRING		Length of Bearer capability (DSS1)
TSV_BCAPV	OCTETSTRING		Bearer capability value (DSS1)
TSV_HLCL	OCTETSTRING		Length of High layer compatibility (DSS1)
TSV_HLCV	OCTETSTRING		High layer compatibility value (DSS1)

Continued on next page

Continued from previous page

Test Suite Variable Declarations			
Variable Name	Type	Value	Comments
TSV_LLCL	OCTETSTRING		Length of Low layer compatibility (DSS1)
TSV_LLCV	OCTETSTRING		Low layer compatibility value (DSS1)
TSV_CDPNOCTET3	OCTETSTRING		octet 3 of the called party number, type of number and numbering plan identifier (DSS1)
TSV_FLAG_ORIG	INTEGER	0	Bit 8 of call reference for call origin
Detailed Comments :			

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
cic	BIT_12	TSP_CIC_R	received CIC storage
loop_cic	BIT_12	TSP_CIC_R	received CIC storage
TCV_cic	BIT_12	TSP_CIC_R	received CIC storage
TCV_cic1	BIT_12	TSP_CIC_R	received CIC storage
TSV_CCBSREF	CCBSReference	128	CCBS Reference value (DSS1)
TCV_PXX	BIT_8	'00000000'B	unknown parameter type
TCV_count0	INTEGER	0	counter 0
TCV_count1	INTEGER	0	counter 1
TCV_count2	INTEGER	0	counter 2
TCV_CTRef_l	OCT_1	'00'O	receive CTRef left
TCV_CTRef_r	OCT_1	'00'O	receive CTRef right
TCV_otherCC	BOOLEAN	FALSE	default own country code
TCV_PDC	OCT_2	'0000'O	received Propagation delay counter value
TCV_CHInf	OCT_2	'0000'O	received Call history information value
TCV_Result	BOOLEAN	FALSE	result of enquiry
TCV_dialogue_ID	ASN1_OCT_1	'06'H	This variable is used to hold the dialogueID during a test. Its value is assigned by the test case when the dialogue is initiated by the IUT. For the dialogue initiated by the LT the initial value 6 or a value generated by test suite operation TSO_gen_dia_ID is used.

Continued on next page

Continued from previous page

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
TCV_inv_id	InvokeIDType		Invoke id. value (DSS1)
TCV_cug_index	INTEGER	1	CUG index (DSS1)
TCV_conf_id	ConferenceId	0	used to store the Conference Id (DSS1)
TCV_party_id1	PartyId	0	used to store the first Party Id (DSS1)
TCV_party_id2	PartyId	0	used to store the 2nd Party Id (DSS1)
TCV_recall_mode	RecallMode		(DSS1)
TCV_call_link_id	CallLinkIDType		CallLinkageID value (DSS1)
cr_in	BIT7OR8		received Call reference storage
cr_in2	BIT7OR8		received Call reference storage
cr_in3	BIT7OR8		received Call reference storage
bch_num1	BIT7OR8		B-channel for call, BITSTRING[7..8] for CREF1
Detailed Comments :			

PCO Type Declarations		
PCO Type	Role	Comments
ISUP_PCO	LT	
CIRCUIT_PCO	LT	
MAINT_PCO	UT	
ACCESS_PCO	LT	
CHANNEL_PCO	LT	
Non_ISUP_PCO	LT	
TCAP_PCO	LT	
Detailed Comments :		

PCO Declarations			
PCO Name	PCO Type	Role	Comments
LAB	ISUP_PCO	LT	Signalling link AB
LAC	ISUP_PCO	LT	Signalling link CA
CAB	CIRCUIT_PCO	LT	Circuit AB
CAC	CIRCUIT_PCO	LT	Circuit CA
MNT	MAINT_PCO	UT	Maintenance
ACH	ACCESS_PCO	LT	D-Channel
ACHx	ACCESS_PCO	LT	D-Channel, signalling for call with call reference x
ACHy	ACCESS_PCO	LT	D-Channel, signalling for call with call reference y
APH	CHANNEL_PCO	LT	B-Channel
TAC	Non_ISUP_PCO	LT	Signalling link CA (Non-ISUP, e.g TUP,R2)
SCCP_B	TCAP_PCO	LT	Signalling link AB SCCP/TCAP signalling
SCCP_C	TCAP_PCO	LT	Signalling link AC SCCP/TCAP signalling
Detailed Comments :			

Coordination Point Declarations	
CP Name	Comments
I_CP	Coordination point between ISUP_MTC and I_PTC
A_CP	Coordination point between ISUP_MTC and A_PTC
Detailed Comments :	

Timer Declarations			
Timer Name	Duration	Unit	Comments
T2min	$TSP_T2 - (TSP_T2 * TSP_tol / 100)$	s	waiting for RES (user)
T2max	$TSP_T2 + (TSP_T2 * TSP_tol / 100)$	s	waiting for RES (user)
T7min	$TSP_T7 - (TSP_T7 * TSP_tol / 100)$	s	waiting for ACM or CON
T7max	$TSP_T7 + (TSP_T7 * TSP_tol / 100)$	s	waiting for ACM or CON
T9min	$TSP_T9 - (TSP_T9 * TSP_tol / 100)$	s	waiting for ANM

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
T9max	$TSP_T9 + (TSP_T9 * TSP_tol / 100)$	s	waiting for ANM
T39min	$TSP_T39 - (TSP_T39 * TSP_tol / 100)$	s	waiting for IDS
T39max	$TSP_T39 + (TSP_T39 * TSP_tol / 100)$	s	waiting for IDS
TCFNRmin	$TSP_TCFNR - (TSP_TCFNR * TSP_tol / 100)$	s	waiting for served user to respond to alerting

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
TCFNRmax	$TSP_TCFNR + (TSP_TCFNR * TSP_tol / 100)$	s	waiting for served user to respond to alerting
TECTmin	$TSP_TECT - (TSP_TECT * TSP_tol / 100)$	s	waiting for LOP response
TECTmax	$TSP_TECT + (TSP_TECT * TSP_tol / 100)$	s	waiting for LOP response
CCBS_T1min	$TSP_CCBS_T1 - (TSP_CCBS_T1 * TSP_tol / 100)$	s	CCBS retention timer at OLE

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
CCBS_T1max	TSP_CC $BS_T1 +$ $(TSP_CC$ $BS_T1 *$ $TSP_tol /$ $100)$	s	CCBS retention timer at OLE
CCBS_T2min	TSP_CC $BS_T2 -$ $(TSP_CC$ $BS_T2 *$ $TSP_tol /$ $100)$	s	CCBS request operation timer at OLE
CCBS_T2max	TSP_CC $BS_T2 +$ $(TSP_CC$ $BS_T2 *$ $TSP_tol /$ $100)$	s	CCBS request operation timer at OLE
CCBS_T3min	TSP_CC $BS_T3 -$ $(TSP_CC$ $BS_T3 *$ $TSP_tol /$ $100)$	s	CCBS service duration timer at OLE

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
CCBS_T3max	TSP_CC $BS_T3 +$ $(TSP_CC$ $BS_T3 *$ $TSP_tol /$ $100)$	s	CCBS service duration timer at OLE
CCBS_T4min	TSP_CC $BS_T4 -$ $(TSP_CC$ $BS_T4 *$ $TSP_tol /$ $100)$	s	CCBS recall timer at OLE
CCBS_T4max	TSP_CC $BS_T4 +$ $(TSP_CC$ $BS_T4 *$ $TSP_tol /$ $100)$	s	CCBS recall timer at OLE
CCBS_T7min	TSP_CC $BS_T7 -$ $(TSP_CC$ $BS_T7 *$ $TSP_tol /$ $100)$	s	CCBS service supervision timer at DLE

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
CCBS_T7max	TSP_CC $BS_T7 +$ $(TSP_CC$ $BS_T7 *$ $TSP_tol /$ $100)$	s	CCBS service supervision timer at DLE
CCBS_T8min	TSP_CC $BS_T8 -$ $(TSP_CC$ $BS_T8 *$ $TSP_tol /$ $100)$	s	CCBS destination B idle guard timer (at DLE)
CCBS_T8max	TSP_CC $BS_T8 +$ $(TSP_CC$ $BS_T8 *$ $TSP_tol /$ $100)$	s	CCBS destination B idle guard timer (at DLE)
CCBS_T9min	TSP_CC $BS_T9 -$ $(TSP_CC$ $BS_T9 *$ $TSP_tol /$ $100)$	s	CCBS recall timer at DLE

Continued on next page

Continued from previous page

Timer Declarations			
Timer Name	Duration	Unit	Comments
CCBS_T9max	TSP_CC BS_T9 + (TSP_CC BS_T9 * TSP_tol / 100)	s	CCBS recall timer at DLE
T_CCBS_T8	15	s	Destination idle guard timer
T_LOCAL	TSP_T_L OCAL	s	Internal timer for testing CCBS_T8
T_SUP	TSP_T_S UP	s	Interworking timer
T_WAIT	TSP_T_ WAIT	s	local timer
T_GUARD	TSP_T_G UARD	s	Guard timer for default step to prevent hanging of a test case
T_AC	32	s	any LT is waiting for IUT initiated test event (2) (timer used for test synchronisation)
TNOAC	2	s	any LT is controlling IUT inactivity (timer used for test synchronisation)
Detailed Comments :			

Test Component Declarations				
Component Name	Component Role	Nr PCOs	Nr CPs	Comments
ISUP_MTC	MTC	3	2	Master test component. Also used to observe IUT on the right side – ISUP
I_PTC	PTC	3	1	Paralell test component. Used to observe the IUT on the left side – ISUP
A_PTC	PTC	4	1	Paralell test component. Used to observe the IUT on the left side – Access
T_PTC	PTC	1	0	Paralell test component. Used to observe the IUT on the left side for Non-ISUP – e.g.TUP, R2
Detailed Comments :				

Test Components Configuration Declaration			
Configuration Name : LocalCfg			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
ISUP_MTC	LAB, CAB, SCCP_B	A_CP	ISUP signalling, ISUP circuit, TC signalling
A_PTC	ACH, APH, ACHx, ACHy	A_CP	access signalling (D-channel), access circuit (B-channel), D-channel for CR x, D-channel for CR y
Detailed Comments :			

Test Components Configuration Declaration			
Configuration Name : MixedCfg			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
ISUP_MTC	LAB, CAB, SCCP_B	I_CP, A_CP	ISUP signalling, ISUP circuit, TC signalling
I_PTC	LAC, CAC, SCCP_C	I_CP	ISUP signalling, ISUP circuit, TC signalling
A_PTC	ACH, APH, ACHx, ACHy	A_CP	access signalling (D-channel), access circuit (B-channel), D-channel for CR x, D-channel for CR y
Detailed Comments :			

Test Components Configuration Declaration			
Configuration Name : TransitCfg			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
ISUP_MTC	LAB, CAB, SCCP_B	I_CP	ISUP signalling, ISUP circuit, TC signalling
I_PTC	LAC, CAC, SCCP_C	I_CP	ISUP signalling, ISUP circuit
Detailed Comments :			

Test Components Configuration Declaration			
Configuration Name : IWorkCfg			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
ISUP_MTC	LAB, CAB, SCCP_B	I_CP	ISUP signalling, ISUP circuit, TC signalling
T_PTC	TAC		non-ISUP signalling
I_PTC	LAC, CAC, SCCP_C	I_CP	ISUP signalling, ISUP circuit
Detailed Comments :			

ASP Type Definition		
ASP Name : ACM_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet ACM	ISDN User Part ISUP signalling message: ACM
Detailed Comments :		

ASP Type Definition		
ASP Name : ANM_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet ANM	ISDN User Part ISUP signalling message: ANM
Detailed Comments :		

ASP Type Definition		
ASP Name : BLO_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet BLO	ISDN User Part ISUP signalling message: BLO
Detailed Comments :		

ASP Type Definition		
ASP Name : BLA_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet BLA	ISDN User Part ISUP signalling message: BLA
Detailed Comments :		

ASP Type Definition		
ASP Name : CPG_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CPG	ISDN User Part ISUP signalling message: CPG
Detailed Comments :		

ASP Type Definition		
ASP Name : CGB_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGB	ISDN User Part ISUP signalling message: CGB
Detailed Comments :		

ASP Type Definition		
ASP Name : CGBA_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGBA	ISDN User Part ISUP signalling message: CGBA
Detailed Comments :		

ASP Type Definition		
ASP Name : CGU_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGU	ISDN User Part ISUP signalling message: CGU
Detailed Comments :		

ASP Type Definition		
ASP Name : CGUA_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGUA	ISDN User Part ISUP signalling message: CGUA
Detailed Comments :		

ASP Type Definition		
ASP Name : CFN_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CFN	ISDN User Part ISUP signalling message: CFN
Detailed Comments :		

ASP Type Definition		
ASP Name : CON_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CON	ISDN User Part ISUP signalling message: CON
Detailed Comments :		

ASP Type Definition		
ASP Name : COT_TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet COT	ISDN User Part ISUP signalling message: COT
Detailed Comments :		

ASP Type Definition		
ASP Name : CCR_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CCR	ISDN User Part ISUP signalling message: CCR
Detailed Comments :		

ASP Type Definition		
ASP Name : FAA_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAA	ISDN User Part ISUP signalling message: FAA
Detailed Comments :		

ASP Type Definition		
ASP Name : FAC_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAC	ISDN User Part ISUP signalling message: FAC
Detailed Comments :		

ASP Type Definition		
ASP Name : FAR_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAR	ISDN User Part ISUP signalling message: FAR
Detailed Comments :		

ASP Type Definition		
ASP Name : FRJ_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FRJ	ISDN User Part ISUP signalling message: FRJ
Detailed Comments :		

ASP Type Definition		
ASP Name : IAM_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IAM	ISDN User Part ISUP signalling message: IAM
Detailed Comments :		

ASP Type Definition		
ASP Name : IDR_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IDR	ISDN User Part ISUP signalling message: IDR
Detailed Comments :		

ASP Type Definition		
ASP Name : IRS_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IRS	ISDN User Part ISUP signalling message: IRS
Detailed Comments :		

ASP Type Definition		
ASP Name : LOP_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet LOP	ISDN User Part ISUP signalling message: LOP
Detailed Comments :		

ASP Type Definition		
ASP Name : REL_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet REL	ISDN User Part ISUP signalling message: REL
Detailed Comments :		

ASP Type Definition		
ASP Name : RLC_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RLC	ISDN User Part ISUP signalling message: RLC
Detailed Comments :		

ASP Type Definition		
ASP Name : RSC_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RSC	ISDN User Part ISUP signalling message: RSC
Detailed Comments :		

ASP Type Definition		
ASP Name : RES_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RES	ISDN User Part ISUP signalling message: RES
Detailed Comments :		

ASP Type Definition		
ASP Name : SUS_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet SUS	ISDN User Part ISUP signalling message: SUS
Detailed Comments :		

ASP Type Definition		
ASP Name : UBL_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet UBL	ISDN User Part ISUP signalling message: UBL
Detailed Comments :		

ASP Type Definition		
ASP Name : UBA_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet UBA	ISDN User Part ISUP signalling message: UBA
Detailed Comments :		

ASP Type Definition		
ASP Name : USR_TRANSFER_IND (MTP_TRANSFER_Indication)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet USR	ISDN User Part ISUP signalling message: USR
Detailed Comments :		

ASP Type Definition		
ASP Name : ACM_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet ACM	ISDN User Part ISUP signalling message: ACM
Detailed Comments :		

ASP Type Definition		
ASP Name : ANM_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet ANM	ISDN User Part ISUP signalling message: ANM
Detailed Comments :		

ASP Type Definition		
ASP Name : BLO_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet BLO	ISDN User Part ISUP signalling message: BLO
Detailed Comments :		

ASP Type Definition		
ASP Name : BLA_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet BLA	ISDN User Part ISUP signalling message: BLA
Detailed Comments :		

ASP Type Definition		
ASP Name : CPG_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CPG	ISDN User Part ISUP signalling message: CPG
Detailed Comments :		

ASP Type Definition		
ASP Name : CGB_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGB	ISDN User Part ISUP signalling message: CGB
Detailed Comments :		

ASP Type Definition		
ASP Name : CGBA_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGBA	ISDN User Part ISUP signalling message: CGBA
Detailed Comments :		

ASP Type Definition		
ASP Name : CGU_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGU	ISDN User Part ISUP signalling message: CGU
Detailed Comments :		

ASP Type Definition		
ASP Name : CGUA_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CGUA	ISDN User Part ISUP signalling message: CGUA
Detailed Comments :		

ASP Type Definition		
ASP Name : CFN_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CFN	ISDN User Part ISUP signalling message: CFN
Detailed Comments :		

ASP Type Definition		
ASP Name : CON_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet CON	ISDN User Part ISUP signalling message: CON
Detailed Comments :		

ASP Type Definition		
ASP Name : FAA_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAA	ISDN User Part ISUP signalling message: FAA
Detailed Comments :		

ASP Type Definition		
ASP Name : FAC_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAC	ISDN User Part ISUP signalling message: FAC
Detailed Comments :		

ASP Type Definition		
ASP Name : FRJ_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FRJ	ISDN User Part ISUP signalling message: FRJ
Detailed Comments :		

ASP Type Definition		
ASP Name : FAR_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet FAR	ISDN User Part ISUP signalling message: FAR
Detailed Comments :		

ASP Type Definition		
ASP Name : IAM_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IAM	ISDN User Part ISUP signalling message: IAM
Detailed Comments :		

ASP Type Definition		
ASP Name : IDR_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IDR	ISDN User Part ISUP signalling message: IDR
Detailed Comments :		

ASP Type Definition		
ASP Name : IRS_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet IRS	ISDN User Part ISUP signalling message: IRS
Detailed Comments :		

ASP Type Definition		
ASP Name : LOP_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet LOP	ISDN User Part ISUP signalling message: LOP
Detailed Comments :		

ASP Type Definition		
ASP Name : REL_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet REL	ISDN User Part ISUP signalling message: REL
Detailed Comments :		

ASP Type Definition		
ASP Name : RLC_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RLC	ISDN User Part ISUP signalling message: RLC
Detailed Comments :		

ASP Type Definition		
ASP Name : RSC_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RSC	ISDN User Part ISUP signalling message: RSC
Detailed Comments :		

ASP Type Definition		
ASP Name : RES_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet RES	ISDN User Part ISUP signalling message: RES
Detailed Comments :		

ASP Type Definition		
ASP Name : SUS_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet SUS	ISDN User Part ISUP signalling message: SUS
Detailed Comments :		

ASP Type Definition		
ASP Name : UBL_TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet UBL	ISDN User Part ISUP signalling message: UBL
Detailed Comments :		

ASP Type Definition		
ASP Name : UBA_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet UBA	ISDN User Part ISUP signalling message: UBA
Detailed Comments :		

ASP Type Definition		
ASP Name : USR_TRANSFER_REQ (MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
<-- isup_pdu	service_information_octet USR	ISDN User Part ISUP signalling message: USR
Detailed Comments :		

ASP Type Definition		
ASP Name : ACCESS_IND		
PCO Type : ACCESS_PCO		
Comments : ASP for receiving Access messages		
Parameter Name	Parameter Type	Comments
access_pdu	PrintableString	Access signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : ACCESS_REQ		
PCO Type : ACCESS_PCO		
Comments : ASP for sending access messages		
Parameter Name	Parameter Type	Comments
access_pdu	PrintableString	Access signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : Non_ISUP_IND PCO Type : Non_ISUP_PCO Comments : ASP for receiving TUP messages		
Parameter Name	Parameter Type	Comments
non_isup_pdu	PrintableString	Non-ISUP signalling message (e.g. TUP, R2)
Detailed Comments :		

ASP Type Definition		
ASP Name : Non_ISUP_REQ PCO Type : Non_ISUP_PCO Comments : ASP for sending TUP messages		
Parameter Name	Parameter Type	Comments
non_isup_pdu	PrintableString	Non-ISUP signalling message (e.g. TUP, R2)
Detailed Comments :		

ASP Type Definition		
ASP Name : TONE_IND PCO Type : CIRCUIT_PCO Comments :		
Parameter Name	Parameter Type	Comments
CIC	BIT_12	m
Tone_Type	PrintableString	m
Detailed Comments :		

ASP Type Definition		
ASP Name : TONE_REQ PCO Type : CIRCUIT_PCO Comments :		
Parameter Name	Parameter Type	Comments
CIC	BIT_12	m
Tone_Type	PrintableString	m
Detailed Comments :		

ASP Type Definition		
ASP Name : ACCESS_TONE_IND		
PCO Type : CHANNEL_PCO		
Comments :		
Parameter Name	Parameter Type	Comments
Tone_Type	PrintableString	m
Detailed Comments :		

ASP Type Definition		
ASP Name : ACCESS_TONE_REQ		
PCO Type : CHANNEL_PCO		
Comments :		
Parameter Name	Parameter Type	Comments
Tone_Type	PrintableString	m
Detailed Comments :		

ASP Type Definition		
ASP Name : TCAP_IND PCO Type : TCAP_PCO Comments : ASP for receiving TCAP messages		
Parameter Name	Parameter Type	Comments
tcap_pdu	PrintableString	SCCP/TCAP signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : TCAP_REQ PCO Type : TCAP_PCO Comments : ASP for sending TCAP messages		
Parameter Name	Parameter Type	Comments
tcap_pdu	PrintableString	SCCP/TCAP signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : MNT_REQ PCO Type : MAINT_PCO Comments :		
Parameter Name	Parameter Type	Comments
Action	PrintableString	m
CIC	BIT_12	o
Range	OCT_1	o
Status	OCT_1_32	o
Detailed Comments :		

ASP Type Definition		
ASP Name : MNT_IND PCO Type : MAINT_PCO Comments :		
Parameter Name	Parameter Type	Comments
Action	PrintableString	m
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_IN (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_EST_CO (DL_ESTABLISH_CONFIRM) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to confirm the establishment of multiple frame operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_EST_IN (DL_ESTABLISH_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the establishment of multiple frame operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_EST_RQ (DL_ESTABLISH_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to request the establishment of multiple frame operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_REL_CO (DL_RELEASE_CONFIRM) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to confirm the termination of an established multiple frame operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_REL_IN (DL_RELEASE_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the termination of an established multiple frame operation or to report an unsuccessful establishment attempt (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_REL_RQ (DL_RELEASE_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the termination of an established multiple frame operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_ALERT (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ALERT_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_CALL_PROC (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CALL_PROC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_HOLD (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_HOLD_ACK (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RET (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RET_ACK (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_CONN (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_CONN_ACK (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_DISC (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	DISC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_FAC (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	FAC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_RQ_INFO (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	INFO_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_REL (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_REL_COM (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_COM_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RESTART_ACK (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESTART_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_SETUP (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_UI (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	UI_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_RQ_SETUP_ACK (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_STATUS (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	STATUS_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_RQ_ST_ENQ (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ST_ENQ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_ALERTr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ALERT_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RET _r (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RET_ACK _r (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_HOLD _r (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_HOLD_ACK _r (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_CALL_PROCr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CALL_PROC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_CONNr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_CONN_ACKr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_DISCr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	DISC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_FACr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	FAC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N12		

ASP Type Definition		
ASP Name : DL_DAT_IN_INFOr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	INFO_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_NOTIFYr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	NOTIFY_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_PROGr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	PROG_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RELr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_REL_COMr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_COM_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RES (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESUME_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RESr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESUME_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RES_ACKr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESUME_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RES_REJr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESUME_REJ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_RESTARTr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESTART_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_RQ_SUS (DL_DATA_REQUEST) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ----> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SUSPEND_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_SUSr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SUSPEND_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_SUS_ACKr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SUSPEND_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_SUS_REJr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SUSPEND_REJ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_UDAT_IN_SETUPr (DL_UNIT_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto broadcast data link (TEI=127). ASP is used to indicate the receipt of layer 3 pdus using unacknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_IN_SETUPr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_SETUP_ACKr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_STATUSr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	STATUS_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_ST_ENQr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCI: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ST_ENQ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_N10		

ASP Type Definition		
ASP Name : DL_DAT_IN_UIr (DL_DATA_INDICATION) PCO Type : ACCESS_PCO Comments : CEId: = (ACCESS_PCOI,CES) mapped onto DLCl: = (ACCESS_PCOI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ----> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	UI_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

ASN.1 ASP Type Definition	
ASP Name : TC_BEGIN_IND PCO Type : TCAP_PCO Comments : Begin a dialogue to the TC user / Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, destAddress DestAddressType, origAddress OrigAddressType, dialogueID DialogueIDType, componentPresent CompPresentType }	
Detailed Comments : primType – Primitive type for this TCAP primitive DestAddr – mandatory OrigAddr – mandatory dialogueID – associates components with a dialogue, mandatory componentPresent – Indicates whether or not components are present, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_BEGIN_req PCO Type : TCAP_PCO Comments : Begin a dialogue to the TC user / Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, destAddress DestAddressType, origAddress OrigAddressType, dialogueID DialogueIdType }	
Detailed Comments : primType – Primitive type for this TCAP primitive DestAddr – mandatory OrigAddr – mandatory dialogueID – associates components with a dialogue, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_CONTINUE_IND PCO Type : TCAP_PCO Comments : Continues a dialogue to the TC user / Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, componentPresent CompPresentType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory componentPresent – Indicates whether or not components are present, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_CONTINUE_REQ PCO Type : TCAP_PCO Comments : Continues a dialogue to the TC user / Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_END_IND PCO Type : TCAP_PCO Comments : Ends a dialogue / Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIdType, componentPresent CompPresentType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory componentPresent – Indicates whether or not components are present, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_END_REQ PCO Type : TCAP_PCO Comments : Ends a dialogue / Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, termination TerminationType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory termination – indicates which scenario is chosen by the TC-user for the end of the dialogue (prearranged / basic)	

ASN.1 ASP Type Definition	
ASP Name : TC_U_ABORT_ind PCO Type : TCAP_PCO Comments : Allows a TC-user to terminate a dialogue abruptly, without transmitting any pending components / Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_U_ABORT_req PCO Type : TCAP_PCO Comments : Allows a TC-user to terminate a dialogue abruptly, without transmitting any pending components / Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType }	
Detailed Comments : primType – Primitive type for this TCAP primitive dialogueID – associates components with a dialogue, mandatory	

ASN.1 ASP Type Definition	
ASP Name : TC_INVOKE_IND PCO Type : TCAP_PCO Comments : Invocation of an operation, which may be linked to another operation invocation.	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT INVOKE }	
Detailed Comments : PrimType – Primitive type for this TCAP primitive DialogueID – associates components with a dialogue, mandatory Component – Invoke	

ASN.1 ASP Type Definition	
ASP Name : TC_INVOKE_REQ	
PCO Type : TCAP_PCO	
Comments : Invocation of an operation, which may be linked to another operation invocation / Primitive Type : Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, opClass OpClassType, components [0] IMPLICIT INVOKE, timeout TimeoutValType }	
Detailed Comments : PrimType – Primitive type for this TCAP primitive DialogueID – associates components with a dialogue, mandatory OpClass – operation class (class 1..4 is possible) Timeout – Indicates the maximum lifetime of an operation invocation	

ASN.1 ASP Type Definition	
ASP Name : TC_RESULT_L_ind PCO Type : TCAP_PCO Comments : Success is reported to indicate that an operation of class 1 or 3 has been executed by the remote TC-user. This primitive indicates the only or last segment of a result. Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT ReturnResult }	
Detailed Comments : parameter description see Q.771 page 16/17 LastComponent – is not used	

ASN.1 ASP Type Definition	
ASP Name : TC_RESULT_L_req PCO Type : TCAP_PCO Comments : Success is reported to indicate that an operation of class 1 or 3 has been executed by the remote TC-user. This primitive indicates the only or last segment of a result. Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT ReturnResult }	
Detailed Comments : parameter description see Q.771 page 16/17	

ASN.1 ASP Type Definition	
ASP Name : TC_U_ERROR_ind PCO Type : TCAP_PCO Comments : If a TC-user receiving a class 1 or 2 operation which it cannot execute, it will issue a ERROR request primitive, indicating the reason of the failure. The TC-user which invoked this operation is informed by a ERROR indication primitive. / Primitive Type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT ReturnError }	
Detailed Comments : parameter description see Q.771 page 16/17	

ASN.1 ASP Type Definition	
ASP Name : TC_U_ERROR_req PCO Type : TCAP_PCO Comments : If a TC-user receiving a class 1 or 2 operation which it cannot execute, it will issue a ERROR request primitive, indicating the reason of the failure. The TC-user which invoked this operation is informed by a ERROR indication primitive. / Primitive Type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT ReturnError }	
Detailed Comments : LastComponent is not used	

ASN.1 ASP Type Definition	
ASP Name : TC_U_REJECT_ind PCO Type : TCAP_PCO Comments : The TC-user may reject any component generated by its peer entity, which it considers incorrect. / Primitive type: Indication	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT Reject }	
Detailed Comments : LastComponent not used	

ASN.1 ASP Type Definition	
ASP Name : TC_U_REJECT_req	
PCO Type : TCAP_PCO	
Comments : The TC-user may reject any component generated by its peer entity, which it considers incorrect. / Primitive type: Request	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, components [0] IMPLICIT Reject }	
Detailed Comments :	

ASN.1 ASP Type Definition	
ASP Name : TC_U_CANCEL_req	
PCO Type : TCAP_PCO	
Comments : The TC-user uses the primitive request to inform the local Component sub-layer of a cancel decision. No component is sent.	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIDType, invokeID InvokeIDType }	
Detailed Comments :	

ASN.1 ASP Type Definition	
ASP Name : TC_L_CANCEL_ind	
PCO Type : TCAP_PCO	
Comments : The Component sub-layer uses the cancel facility to inform the TC-user that the timer associated with a class 1, 2 or 3 operation has expired, the TC-L-CANCEL indication primitive is used for this purpose.	
Type Definition	
SEQUENCE { primType AspType, dialogueID DialogueIdType, invokeID InvokeIdType }	
Detailed Comments :	

ASN.1 ASP Type Definition	
ASP Name : TC_P_ABORT_ind PCO Type : TCAP_PCO Comments : Due to an abnormal situation, an underlying (sub)layer may decide to abort the association between users, the structured dialogue has then to be aborted. All associated operations are terminated and the TC-users are notified by means of this indiation primitive. / Primitive type: Indication	
Type Definition	
SEQUENCE{ primType AspType, dialogueID DialogueIdType, p_Abort PAbortCause }	
Detailed Comments : p_Abort – Contains information indicating the cause for which TCAP decides to abort a Dialogue. It takes the following symbolic values: Unrecognised Tansaction ID, Unrecognised Message Type, Badly Formatted Transaction Portion, Incorrect Transaction Portion, Resource Limitation, Abnormal dialogue or No Common Dialogue Portion. qualityOfService parameter is not used	

PDU Type Definition			
PDU Name : ACM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Address complete (TABLE 21 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
BCI	backward_call_indicators		m
opt_part_ptr	pointer		m
OBCI	optional_backward_call_indicators		o
CRef	call_reference		o @
Cause	cause_indicators		o
UUInd	user_to_user_indicators		o
UUInf	user_to_user_information		o
ATP	access_transport		o
GenNot	generic_notification_indicator		o 1.
TMU	transmission_medium_used		o
EchoInf	echo_control_information		o
ADInf	access_delivery_information		o
RnNb	redirection_number		o
ParCmp	parameter_compatibility_information		o

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
CDInf	call_diversion_information		o
NtwFac	network_specific_facility		o @
RemOp	remote_operations		o @
ServAct	service_activation		o
RnNbRes	redirection_number_restriction		
ConTrInd	conference_treatment_indicators		o
UIDAcInd	UID_action_indicators		o
CCNRPosInd	CCNR_possible_indicator		o
EndOP	end_of_optional_parameters_indi cator		o
Detailed Comments : 1. This parameter can be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : ANM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Answer (TABLE 22 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
BCI	backward_call_indicators		o
OBCI	optional_backward_call_indicators		o
CRef	call_reference		o @
UUInd	user_to_user_indicators		o
UUInf	user_to_user_information		o
ConNb	connected_number		o
ATP	access_transport		o
ADInf	access_delivery_information		o
GenNot	generic_notification_indicator		o 1.
ParCmp	parameter_compatibility_information		o
BGVNS	backward_GVNS		o
CHInf	call_history_information		o
GenNb	generic_number		o 1.

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
TMU	transmission_medium_used		o
NtwFac	network_specific_facility		o @
RemOp	remote_operations		o @
RnNb	redirection_number		o
ServAct	service_activation		o
EchoInf	echo_control_information		o
RnNbRes	redirection_number_restriction		o
DisInf	display_information		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter can occur several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition				
PDU Name : CPG PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Call progress (TABLE 23 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
EvInf	event_information		m	
opt_part_ptr	pointer		m	
Cause	cause_indicators		o	
CRef	call_reference		o @	
BCI	backward_call_indicators		o	
OBCI	optional_backward_call_indicator s		o	
ATP	access_transport		o	
UUInd	user_to_user_indicators		o	
RnNb	redirection_number		o	
UUInf	user_to_user_information		o	
GenNot	generic_notification_indicator		o 1.	
NtwFac	network_specific_facility		o @	
RemOp	remote_operations		o @	
TMU	transmission_medium_used		o	
ADInf	access_delivery_information		o	

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
ParCmp	parameter_compatibility_information		o
CDInf	call_diversion_information		o
ServAct	service_activation		o
RnNbRes	redirection_number_restriction		o
CTNb	call_transfer_number		o
EchoInf	echo_control_information		o
ConNb	connected_number		o
BGVNS	backward_GVNS		o
GenNb	generic_number		o 1.
CHInf	call_history_information		o
ConTrInd	conference_treatment_indicators		o
UIDAcInd	UID_action_indicators		o
CCNRPosInd	CCNR_possible_indicator		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter can be repeated. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : GRA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group reset acknowledgement (TABLE 25 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : CFN PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Confusion (TABLE 26 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
Cause	cause_indicators		v
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments :			

PDU Type Definition			
PDU Name : CON PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Connect (TABLE 27 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
BCI	backward_call_indicators		m
opt_part_ptr	pointer		m
OBCI	optional_backward_call_indicators		o
ConNb	connected_number		o
CRef	call_reference		o @
UUInd	user_to_user_indicators		o
UUInf	user_to_user_information		o
ATP	access_transport		o
NtwFac	network_specific_facility		o @
GenNot	generic_notification_indicator		o 1.
RemOp	remote_operations		o @
TMU	transmission_medium_used		o
EchoInf	echo_control_information		o
ADInf	access_delivery_information		o
CHInf	call_history_information		o

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
ParCmp	parameter_compatibility_information		o
RnNb	redirection_number		o
ServAct	service_activation		o @
GenNb	generic_number		o 1.
RnNbRes	redirection_number_restriction		o
ConTrInd	conference_treatment_indicators		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter can be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : COT			
PCO Type : ISUP_PCO			
Encoding Rule Name :			
Encoding Variation :			
Comments : Continuity (TABLE 28 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
ContInd	continuity_indicators		m
Detailed Comments :			

PDU Type Definition				
PDU Name : FRJ PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Facility reject (TABLE 29 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
FacIc	facility_indicator		m	
var_part_ptr	pointer		m	
opt_part_ptr	pointer		m	
Cause	cause_indicators		v	
UUInd	user_to_user_indicators		o	
EndOP	end_of_optional_parameters_indicator		o	
Detailed Comments :				

PDU Type Definition			
PDU Name : IAM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Initial address message (TABLE 32 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
NatCon	nature_of_connection_indicators		m
FCI	forward_call_indicators		m
CgPC	calling_partys_category		m
TMR	transmission_medium_requirement		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
CdPN	called_party_number		v
TNtwSel	transit_network_selection		o @
CRef	call_reference		o @
CgPN	calling_party_number		o
OFCl	optional_forward_call_indicators		o
RgNb	redirecting_number		o
RnInf	redirection_information		o
CUGIC	closed_user_group_interlock_code		o

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
ConRq	connection_request		o
OriCdNb	original_called_number		o
UUInf	user_to_user_information		o
ATP	access_transport		o
USI	user_service_information		o
UUInd	user_to_user_indicators		o
GenNb	generic_number		o 1.
PDC	propagation_delay_counter		o
USIp	user_service_information_prime		o
NtwFac	network_specific_facility		o @
GenDig	generic_digits		o @ 1.
OriISC	origination_ISC_point_code		o
UTI	user_teleservice_information		o
RemOp	remote_operations		o @
ParCmp	parameter_compatibility_information		o
GenNot	generic_notification_indicator		o 1.
ServAct	service_activation		o
GenRef	generic_reference		o (reserved)
MLPPpre	MLPP_precedence		o @ (ETS 300 356-1)
TMRp	transmission_medium_requirement_prime		o
LocNb	location_number		o

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
ForGVNS	forward_GVNS		o
CCSS	call_completion_supplementary_service		o
NetManCon	network_management_controls		o
CctAssMap	circuit_assignment_map		o
CorrID	correlation_id		o
CDivTrInd	call_diversion_treatment_indicator		o
CdINnum	called_IN_number		o
COffTrInd	call_offering_treatment_indicators		o
ConfTrInd	conference_treatment_indicators		o
SCFid	SCF_id		o
UIDcapInd	UID_capability_indicators		o
EchoInf	echo_control_information		o
HopCnt	hop_counter		o
ColCReq	collect_call_request		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter can be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : REL PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Release (TABLE 33 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
Cause	cause_indicators		v
RnInf	redirection_information		o @
RnNb	redirection_number		o @
ATP	access_transport		o
SPC	signalling_point_code		o @
UUInf	user_to_user_information		o
ACL	automatic_congestion_level		o
NtwFac	network_specific_facility		o @
ADInf	access_delivery_information		o
ParCmp	parameter_compatibility_information		o
RnNbRes	redirection_number_restriction		o
UUInd	user_to_user_indicators		o
DisInf	display_information		o

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : RLC PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Release complete (TABLE 34 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
Cause	cause_indicators		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : USR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : User-to-user information (TABLE 36 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
UUInf	user_to_user_information		v
ATP	access_transport		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments :			

PDU Type Definition			
PDU Name : FOT PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Forward transfer (TABLE 37 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
CRef	call_reference		o @
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only			

PDU Type Definition			
PDU Name : SUS PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Suspend (TABLE 38 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
SusRes	suspend_resume_indicators		m
opt_part_ptr	pointer		m
CRef	call_reference		o @
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only			

PDU Type Definition			
PDU Name : RES PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Resume (TABLE 38 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
SusRes	suspend_resume_indicators		m
opt_part_ptr	pointer		m
CRef	call_reference		o @
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only			

PDU Type Definition			
PDU Name : BLO PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Blocking (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : BLA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Blocking acknowledgement (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : CCR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Continuity check request (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : LPA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Loop back acknowledgement @ (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : OLM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Overload @ (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : RSC PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : reset circuit (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : UBL PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Unblocking (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : UBA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Unblocking acknowledgement (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : UCIC			
PCO Type : ISUP_PCO			
Encoding Rule Name :			
Encoding Variation :			
Comments : Unequipped circuit identification code @ (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : CGB PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group blocking (TABLE 40 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
CICGrp	circuit_group_supervision_message_type_indicator		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : CGBA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group blocking acknowledgement (TABLE 40 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
CICGrp	circuit_group_supervision_message_type_indicator		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : CGU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group unblocking (TABLE 40 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
CICGrp	circuit_group_supervision_message_type_indicator		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : CGUA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group unblocking acknowledgement (TABLE 40 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
CICGrp	circuit_group_supervision_message_type_indicator		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : GRS PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group reset (TABLE 41 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments :			

PDU Type Definition			
PDU Name : CQM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Circuit group query @ (TABLE 41 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
RngSts	range_and_status		v
Detailed Comments : @ For national use only			

PDU Type Definition			
PDU Name : FAA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Facility accepted (TABLE 42 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
FacIc	facility_indicator		m
opt_part_ptr	pointer		m
UUInd	user_to_user_indicators		o
CRef	call_reference		o @
ConRq	connection_request		o
ParCmp	parameter_compatibility_information		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : FAR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Facility request (TABLE 42 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
FacIc	facility_indicator		m
opt_part_ptr	pointer		m
UUInd	user_to_user_indicators		o
CRef	call_reference		o @
ConRq	connection_request		o
ParCmp	parameter_compatibility_information		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : PAM			
PCO Type : ISUP_PCO			
Encoding Rule Name :			
Encoding Variation :			
Comments : Pass_along @ (TABLE 43 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
contents	OCT_N		v
Detailed Comments : @ For national use only			

PDU Type Definition			
PDU Name : UPT PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : User part test (TABLE 44 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
MsgCmp	message_compatibility_informatio n		o
EndOP	end_of_optional_parameters_indi cator		o
Detailed Comments :			

PDU Type Definition			
PDU Name : UPA PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : User part available (TABLE 44 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
MsgCmp	message_compatibility_informatio n		o
EndOP	end_of_optional_parameters_indi cator		o
Detailed Comments :			

PDU Type Definition			
PDU Name : FAC PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Facility @ (TABLE 45 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
MsgCmp	message_compatibility_informatio n		o
ParCmp	parameter_compatibility_informati on		o
RemOp	remote_operations		o @
CTNb	call_transfer_number		o ETSI -300 356-1
ATP	access_transport		o ETSI -300 356-1
GenNot	generic_notification_indicator		o ETSI -300 356-1
ServAct	service_activation		o
EndOP	end_of_optional_parameters_indi cator		o
Detailed Comments : @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition				
PDU Name : NRM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Network resource management (TABLE 46 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
opt_part_ptr	pointer		m	
MsgCmp	message_compatibility_informatio n		o	
ParCmp	parameter_compatibility_informati on		o	
EchoInf	echo_control_information		o	
EndOP	end_of_optional_parameters_indi cator		o	
Detailed Comments : Note: The order of the optional parameters (o) can be arbitrary.				

PDU Type Definition				
PDU Name : IDR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Identification request (TABLE 47 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
opt_part_ptr	pointer		m	
MCIDRq	MCID_request_indicators		o	
MsgCmp	message_compatibility_informatio n		o	
ParCmp	parameter_compatibility_informati on		o	
CgPN	calling_party_number		o	
ATP	access_transport		o	
GenNb	generic_number		o 1.	
ChPtyId	charged_party_identification		o	
EndOP	end_of_optional_parameters_indi cator		o	
Detailed Comments : Note: The order of the optional parameters (o) can be arbitrary. 1. This parameter can be included several times.				

PDU Type Definition			
PDU Name : INF PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Information (TABLE 30 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
InfInd	information_indicators		
opt_part_ptr	pointer		m
CgPC	calling_partys_category		m
CgPN	calling_party_number		o
CRef	call_reference		o @
ConRq	connection_request		o
ParCmp	parameter_compatibility_information		o
NtwFac	network_specific_facility		o @
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter could be included several times. Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : INR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Information (TABLE 31 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
InfReqInd	information_request_indicators		
opt_part_ptr	pointer		m
CRef	call_reference		o @
NtwFac	network_specific_facility		o @
ParCmp	parameter_compatibility_information		o
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter could be included several times. Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition				
PDU Name : IRS PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Identification response (TABLE 48 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
opt_part_ptr	pointer		m	
MCIDRs	MCID_response_indicators		o	
MsgCmp	message_compatibility_information		o	
ParCmp	parameter_compatibility_information		o	
CgPN	calling_party_number		o	
ATP	access_transport		o	
GenNb	generic_number		o 1.	
ChPtyId	charged_party_identification		o	
EndOP	end_of_optional_parameters_indicator		o	
Detailed Comments : 1. This parameter could be included several times. Note: The order of the optional parameters (o) can be arbitrary.				

PDU Type Definition			
PDU Name : SGM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Segmentation (TABLE 49 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
ATP	access_transport		o
UUInf	user_to_user_information		o
MsgCmp	message_compatibility_information		o
GenDig	generic_digits		o 1. @
GenNot	generic_notification_indicator		o 1.
GenNb	generic_number		o 1.
EndOP	end_of_optional_parameters_indicator		o
Detailed Comments : 1. This parameter can be included several times. Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition				
PDU Name : LOP PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Loop prevention (TABLE 50 / Q.763)				
Field Name	Field Type	Field Encoding	Comments	
<--	routing_label		m	
<--	circuit_identification_code		m	
MType	message_type		m	
opt_part_ptr	pointer		m	
LOPIc	loop_prevention_indicators		o	
CTRef	call_transfer_reference		o	
MsgCmp	message_compatibility_informatio n		o	
ParCmp	parameter_compatibility_informati on		o	
EndOP	end_of_optional_parameters_indi cator		o	
Detailed Comments : Note: The order of the optional parameters (o) can be arbitrary.				

PDU Type Definition			
PDU Name : MXX PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : unknown message			
Field Name	Field Type	Field Encoding	Comments
<--	routing_label		m
<--	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
MsgCmp	message_compatibility_informatio n		o
EndOP	end_of_optional_parameters_indi cator		o
Detailed Comments :			

PDU Type Definition			
PDU Name : ALERT_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : ALERTing u <--> n ETS 300 102-1 subclause 3.1.1			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
ronn	RONN		redirection number (n ->u) O OCTETSTRING[2..24]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : CALL_PROC_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : CALL PROCeeding u <--> n local ETS 300 102-1 subclause 3.1.2			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N12			

PDU Type Definition			
PDU Name : CONN_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : CONNect u <-> n ETS 300 102-1 subclause 3.1.4			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n->u) O OCTETSTRING[2..34]
dati	DATI		date/time (n->u) O OCTETSTRING [2..7]
codn	CODN		connected number O OCTETSTRING[2..24]
cods	CODS		connected subaddress O OCTETSTRING[2..23]

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
ronn	RONN		redirection number (n ->u) O OCTETSTRING[2..24]
llc	LLC		low layer compatib. O OCTETSTRING[2..16]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : CONN_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : CONNect ACKnowledge u <-> n local ETS 300 102-1 subclause 3.1.5			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : HOLD_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : HOLD_ACKnowledge u <-> n ETS 300 196 subclause 11.1.1.3			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
fie	FIES		facility O
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : HOLD_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : HOLD u <--> n ETS 300 196 subclause 11.1.1.2			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
fie	FIES		facility O
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : HOLD_REJ_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : HOLD_REJect u <-> n ETS 300 196 clause 11.1.1.4			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]		message type M
cau	CAU_1		cause O OCTETSTRING[4..34]
fie	FIES		facility O
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N03			

PDU Type Definition			
PDU Name : RET_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RETrieve_ACKnowledge u <--> n ETS 300 196 clause 11.1.1.6			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N03			

PDU Type Definition			
PDU Name : RET_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RETrieve u <-> n ETS 300 196 clause 11.1.1.5			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N03			

PDU Type Definition			
PDU Name : RET_REJ_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RETrieve_REJect u <-> n ETS 300 196 clause 11.1.1.7			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]		message type M
cau	CAU		cause M OCTETSTRING[4..34]
fie	FIES		facility O
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N03			

PDU Type Definition			
PDU Name : DISC_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : DISConnect u <-> n ETS 300 102-1 subclause 3.1.6			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause O OCTETSTRING[4..34]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments :			

PDU Type Definition			
PDU Name : FAC_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : FACility u <--> n ETS 300 196 subclause 11.1.1.1, 11.1.2.1, 11.1.3.1			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
fie	FIES		facility M
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
cdpn	CDPN		called party number O OCTETSTRING[2..23]
cdps	CDPS		called party subaddress O OCTETSTRING [2..23]
Detailed Comments : &COMMON_U09 CDPN and CDPS may only be included, if the dummy call reference is used.			

PDU Type Definition			
PDU Name : INFO_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : INFOrmation u <-> n local ETS 300 102-1 subclause 3.1.8			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING1..[3]
mt	MT		message type M
sci	SCI		sending complete information O
cau	CAU		cause O OCTETSTRING[4..34]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
kpf	KPF		keypad facility (n ->u) O OCTETSTRING [2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : NOTIFY_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : NOTIFY u <-> n access ETS 300 102-1 subclause 3.1.9			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[3]
mt	MT		message type M
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
bcap	BCAP		bearer cap (n ->u) O
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : PROG_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : PROGress u <-> n ETS 300 102-1 subclause 3.1.10			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause O OCTETSTRING[4..34]
fie	FIES		facility O
pi	PI		progress indicator M OCTETSTRING[2..4]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
ronn	RONN		redirection number (n ->u) O OCTETSTRING[2..24]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N12			

PDU Type Definition			
PDU Name : REL_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RELease u <-> n local ETS 300 102-1 subclause 3.1.11			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause C OCTETSTRING[4..34]
fie	FIES		facility O
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : REL_COM_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RELease COMplete u <--> n local ETS 300 102-1 subclause 3.1.12			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause C OCTETSTRING[4..34]
fie	FIES		facility O
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
uui	UUI		user-user info (u->n) O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : RESTART_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RESTART u <-> n local ETS 300 102-1 subclause 3.4.1			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[3]
mt	MT		message type M
chi	CHI		channel identification O OCTETSTRING[2..5]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
ri	RI		restart indicator O OCTETSTRING[3]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : RESTART_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RESTART ACKnowledge u <--> n local ETS 300 102-1 subclause 3.4.2			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[3]
mt	MT		message type M
chi	CHI		channel identification O OCTETSTRING[2..5]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
ri	RI		restart indicator O OCTETSTRING[3]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : RESUME_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RESUME u -> n local ETS 300 102-1 subclause 3.1.13			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cid	CID		call identity (u ->n) O OCTETSTRING[2..10]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : RESUME_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SUSPEND ACKNOWLEDGEMENT u <- n local ETS 300 102-1 subclause 3.1.21			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
dsp	DSP		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : RESUME_REJ_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : RESUME REJECT u ← n local ETS 300 102-1 subclause 3.1.15			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause M OCTETSTRING[4..32]
dsp	DSP		display (n → u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : SETUP_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SETUP u <-> n ETS 300 102-1 subclause 3.1.16			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
sci	BITSTRING[8]		sending compl. infor. O
bcap	BCAP		bearer capab. n ->u M OCTETSTRING[4..13]
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
nsf	NSF		net. specific facil. O OCTETSTRING [2..254]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]

Continued on next page

Continued from previous page

PDU Type Definition			
Field Name	Field Type	Field Encoding	Comments
kpf	KPF		keypad facility n ->u O OCTETSTRING [2..34]
cgpn	CGPN		calling party number O OCTETSTRING [2..24]
cgps	CGPS		calling party subaddress O OCTETSTRING [2..23]
cdpn	CDPN		called party number O OCTETSTRING[2..23]
cdps	CDPS		called party subaddress O OCTETSTRING [2..23]
rngn	RNGN		redirecting number (n ->u) O OCTETSTRING[2..25]
tns	TNS		transit net. select. O OCTETSTRING [2..254]
llc	LLC		low layer compatib. O OCTETSTRING[2..16]
hlc	HLC		high layer compat. O OCTETSTRING[2..4]
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : SETUP_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SETUP ACKnowledge u <--> n local ETS 300 102-1 subclause 3.1.17			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
chi	CHI		channel identification C OCTETSTRING[2..5]
fie	FIES		facility O
pi	PI		progress indicator O OCTETSTRING[2..4]
noid	NOID		notification indicator M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : STATUS_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : STATUS u <--> n local ETS 300 102-1 subclause 3.1.18			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause M OCTETSTRING[4..34]
cst	CST		call state M OCTETSTRING[3]
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : ST_ENQ_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SStatus_ENQuiry u <-> n local ETS 300 102-1 subclause 3.1.19			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
dsp	DSP		display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : SUSPEND_ACK_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SUSPEND ACKNOWLEDGEMENT u <- n local ETS 300 102-1 subclause 3.1.21			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
dsp	DSP		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : SUSPEND_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SUSPEND u -> n local ETS 300 102-1 subclause 3.1.20			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cid	CID		call identity (u ->n) O OCTETSTRING[2..10]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : SUSPEND_REJ_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : SUSPEND ACKNOWLEDGEMENT u <- n local ETS 300 102-1 subclause 3.1.21			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
cau	CAU		cause
dsp	DSP		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Type Definition			
PDU Name : UI_PDU PCO Type : ACCESS_PCO Encoding Rule Name : Encoding Variation : Comments : User Information u <--> n local ETS 300 286-1 subclause 7.2.2			
Field Name	Field Type	Field Encoding	Comments
pd	PD		protocol discriminator M
cr	CR		call reference M OCTETSTRING[1..3]
mt	MT		message type M
md	MD		More Data O
uui	UUI		user-user information O OCTETSTRING[2..131]
Detailed Comments :			

ASN.1 PDU Type Definition	
PDU Name	: INVOKE
PCO Type	: TCAP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: The Component INVOKE is a sequence of data elements, see Q.773 p.2
Type Definition	
SEQUENCE{ invokeID InvokeIdType, linkedID LinkIdType OPTIONAL, operationCode OpLocalValue, parameters ASN1_ANY }	
Detailed Comments : InvokeID – Identifies an operation and its result LinkId – Links an operation invocation to a previous operation invoked by the remote TC-user Operation – Identifies the action to be executed by a TC-user on request of another TC-user Parameters – Contains any parameters accompanying an operation, or provided in reply to an operation Last component – not used, because	

CM Type Definition		
CM Name : CM_GO_AHEAD		
Comments :		
Parameter Name	Parameter Type	Comments
continue_indicator	BOOLEAN	
Detailed Comments :		

Alias Definitions		
Alias Name	Expansion	Comments
R_ACM	ACM_TRANSFER_IND	MTP TRANSFER_IND is used to carry an ISUP PDU – received by Tester.
R_ANM	ANM_TRANSFER_IND	
R_BLO	BLO_TRANSFER_IND	
R_BLA	BLA_TRANSFER_IND	
R_CPG	CPG_TRANSFER_IND	
R_CGB	CGB_TRANSFER_IND	
R_CGBA	CGBA_TRANSFER_IND	
R_CGU	CGU_TRANSFER_IND	
R_CGUA	CGUA_TRANSFER_IND	
R_CFN	CFN_TRANSFER_IND	
R_CON	CON_TRANSFER_IND	
R_COT	COT_TRANSFER_IND	
R_CCR	CCR_TRANSFER_IND	
R_FAA	FAA_TRANSFER_IND	
R_FAC	FAC_TRANSFER_IND	
R_FAR	FAR_TRANSFER_IND	
R_FRJ	FRJ_TRANSFER_IND	
R_IAM	IAM_TRANSFER_IND	
R_IDR	IDR_TRANSFER_IND	
R_IRS	IRS_TRANSFER_IND	
R_LOP	LOP_TRANSFER_IND	
R_REL	REL_TRANSFER_IND	
R_RLC	RLC_TRANSFER_IND	

Continued on next page

Continued from previous page

Alias Definitions		
Alias Name	Expansion	Comments
R_RSC	RSC_TRANSFER_IND	MTP TRANSFER_REQ is used to carry an ISUP PDU – sent by Tester.
R_RES	RES_TRANSFER_IND	
R_SUS	SUS_TRANSFER_IND	
R_UBL	UBL_TRANSFER_IND	
R_UBA	UBA_TRANSFER_IND	
R_USR	USR_TRANSFER_IND	
S_ACM	ACM_TRANSFER_REQ	
S_ANM	ANM_TRANSFER_REQ	
S_BLO	BLO_TRANSFER_REQ	
S_BLA	BLA_TRANSFER_REQ	
S_CPG	CPG_TRANSFER_REQ	
S_CGB	CGB_TRANSFER_REQ	
S_CGBA	CGBA_TRANSFER_REQ	
S_CGU	CGU_TRANSFER_REQ	
S_CGUA	CGUA_TRANSFER_REQ	
S_CFN	CFN_TRANSFER_REQ	
S_CON	CON_TRANSFER_REQ	
S_FAA	FAA_TRANSFER_REQ	
S_FAC	FAC_TRANSFER_REQ	
S_FRJ	FRJ_TRANSFER_REQ	
S_FAR	FAR_TRANSFER_REQ	
S_IAM	IAM_TRANSFER_REQ	

Continued on next page

Continued from previous page

Alias Definitions		
Alias Name	Expansion	Comments
S_IDR	IDR_TRANSFER_REQ	
S_IRS	IRS_TRANSFER_REQ	
S_LOP	LOP_TRANSFER_REQ	
S_REL	REL_TRANSFER_REQ	
S_RLC	RLC_TRANSFER_REQ	
S_RSC	RSC_TRANSFER_REQ	
S_RES	RES_TRANSFER_REQ	
S_SUS	SUS_TRANSFER_REQ	
S_UBL	UBL_TRANSFER_REQ	
S_UBA	UBA_TRANSFER_REQ	
S_USR	USR_TRANSFER_REQ	
S_CONTINUE	TC_CONTINUE_REQ	TCAP
R_CONTINUE	TC_CONTINUE_IND	TCAP
R_BEGIN	TC_BEGIN_IND	TCAP
S_END	TC_END_REQ	TCAP
R_END	TC_END_IND	TCAP
S_INVOKE	TC_INVOKE_REQ	TCAP
R_INVOKE	TC_INVOKE_IND	TCAP
ALERT	DL_DAT_RQ_ALERT	ALERTING PDU, send event
CALL_PROC	DL_DAT_RQ_CALL_PROC	CALL PROC PDU, send event
CONN	DL_DAT_RQ_CONN	CONNECT PDU, send event
DISC	DL_DAT_RQ_DISC	DISCONNECT PDU, send event
FACdss1	DL_DAT_RQ_FAC	FACILITY PDU, send event

Continued on next page

Continued from previous page

Alias Definitions		
Alias Name	Expansion	Comments
RELdss1	DL_DAT_RQ_REL	RELEASE PDU, send event
REL_COM	DL_DAT_RQ_REL_COM	REL_COM PDU, send event
RESTART_ACK	DL_DAT_RQ_RESTART_ACK	RESTART_ACK PDU, send event
SETUP	DL_DAT_RQ_SETUP	SETUP PDU, send event
SETUP_ACK	DL_DAT_RQ_SETUP_ACK	SETUP_ACK PDU, send event
STATUS	DL_DAT_RQ_STATUS	STATUS PDU, send event
ST_ENQ	DL_DAT_RQ_ST_ENQ	STATUS_ENQ PDU, send event
UI	DL_DAT_RQ_UI	UI PDU, send event
HOLD	DL_DAT_RQ_HOLD	HOLD PDU, send event
RETRIVE	DL_DAT_RQ_RET	RETRIVE PDU, send event
HOLD_ACK	DL_DAT_RQ_HOLD_ACK	HOLD ACKP DU, send event
RETRIVE_ACK	DL_DAT_RQ_RET_ACK	RETRIVE ACK PDU, send event
ALERTr	DL_DAT_IN_ALERTr	ALERTING PDU, receive event
CALL_PROCr	DL_DAT_IN_CALL_PROCr	CALL PROC PDU, receive event
CONNr	DL_DAT_IN_CONNr	CONNECT PDU, receive event
CONN_ACKr	DL_DAT_IN_CONN_ACKr	CONN_ACK PDU, receive event
DISCr	DL_DAT_IN_DISCr	DISCONNECT PDU, receive event
FACr	DL_DAT_IN_FACr	FACILITY PDU, receive event
INFor	DL_DAT_IN_INFor	INFO PDU, receive event
NOTIFYr	DL_DAT_IN_NOTIFYr	NOTIFY PDU, receive event
PROGr	DL_DAT_IN_PROGr	PROG PDU, receive event
RELr	DL_DAT_IN_RELr	RELEASE PDU, receive event
REL_COMr	DL_DAT_IN_REL_COMr	RELEASE_COM PDU, receive event

Continued on next page

Continued from previous page

Alias Definitions		
Alias Name	Expansion	Comments
RESr	DL_DAT_IN_RESr	RESUME PDU, receive event
RESUME	DL_DAT_RQ_RES	RESUME PDU, send event
RES_ACKr	DL_DAT_IN_RES_ACKr	RESUME ACKNOWLEDGE PDU, receive event
RES_REJr	DL_DAT_IN_RES_REJr	RESUME REJECT PDU, receive event
RESTARTr	DL_DAT_IN_RESTARTr	RESTART PDU, receive event
SUSr	DL_DAT_IN_SUSr	SUSPEND PDU, receive event
SUSPEND	DL_DAT_RQ_SUS	SUSPEND PDU, send event
SUS_ACKr	DL_DAT_IN_SUS_ACKr	SUSPEND ACKNOWLEDGE PDU, receive event
SUS_REJr	DL_DAT_IN_SUS_REJr	SUSPEND REJECT PDU, receive event
SETUP_Ulr	DL_UDAT_IN_SETUPr	SETUP PDU, receive event (UNACKNOWLEDGED)
SETUPr	DL_DAT_IN_SETUPr	SETUP PDU, receive event
SETUP_ACKr	DL_DAT_IN_SETUP_ACKr	SETUP_ACK PDU, receive event
STATUSr	DL_DAT_IN_STATUSr	STATUS PDU, receive event
ST_ENQr	DL_DAT_IN_ST_ENQr	STATUS_ENQ PDU, receive event
Ulr	DL_DAT_IN_Ulr	UI PDU, receive event
HOLDr	DL_DAT_IN_HOLDr	HOLD PDU, receive event
RETRIVER	DL_DAT_IN_RETr	RETRIVE PDU, receive event
HOLD_ACKr	DL_DAT_IN_HOLD_ACKr	HOLD_ACK PDU, receive event
RETRIVE_ACKr	DL_DAT_IN_RET_ACKr	RETRIVE_ACK PDU, receive event
Detailed Comments :		

III

Constraints Part

Structured Type Constraint Declaration			
Constraint Name : r_Routing_label(DPC,OPC: BIT_14) Structured Type : routing_label Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
DestPC	DPC		
OrigPC	OPC		
SLSel	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_Routing_label(DPC,OPC: BIT_14; SLS: BIT_4) Structured Type : routing_label Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
DestPC	DPC		
OrigPC	OPC		
SLSel	SLS		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ISUP_SIO(Nlval: BIT_2) Structured Type : service_information_octet Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
SIO	'0101'B		ISDN User Part identification
spare	'00'B		spare '00'B
NI	Nlval		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_cic(CICnr: BIT_12) Structured Type : circuit_identification_code Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC	CICnr		
spare	'0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_cic_any			
Structured Type : circuit_identification_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC spare	? '0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_cic_iam			
Structured Type : circuit_identification_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC spare	? '0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_ACL Structured Type : automatic_congestion_level Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ACL		
length	'01'O		
ACL_field	'00000001'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ADInf Structured Type : access_delivery_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ADInf		
length	'01'O		
ADI	?		
spare	'00000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ATP Structured Type : access_transport Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ATP		
length	?		
ATP_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ATP_sub(val_sub:OCT_N) Structured Type : access_transport Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ATP		
length	?		
ATP_field	val_sub		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ATP Structured Type : access_transport Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ATP		
length	'04'O		
ATP_field	'7D029181'O		HLC (Telephony)
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ATP_sub(val_sub:OCT_N) Structured Type : access_transport Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ATP		
length	TSP_sub_address_length		
ATP_field	val_sub		sub-address
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_BCI_o Structured Type : backward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_BCI		
length	'02'O		
Chgl	?		
CdPSI	?		subscriber free or no indication
CdPC	?		
EEMthI	?		
IWI	'0'B		no interworking encountered
EEInfl	?		
ISUPI	'1'B		ISUP used all the way
HoldI	?		
ISDNAI	?		
ECDI	?		
SCCPMI	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_BCI_m			
Structured Type : backward_call_indicators			
Derivation Path : r_BCI_o.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
length	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_BCI_o Structured Type : backward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00010001'B		
length	'02'O		
Chgl	'10'B		charge
CdPSI	'01'B		subscriber free
CdPC	'01'B		ordinary subscriber
EEMthI	'00'B		no method available
IWI	'0'B		no interworking encountered
EEInfl	'0'B		no end-to-end information available
ISUPI	'1'B		ISUP used all the way
HoldI	'0'B		holding not requested
ISDNAI	TSP_Dest_ISDN_access		terminating access ISDN
ECDI	'0'B		incoming half echo control device not included
SCCPMI	'00'B		no indication
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_BCI_m Structured Type : backward_call_indicators Derivation Path : s_BCI_o. Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
length	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_BGVNS Structured Type : backward_GVNS Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01001101'B		
length	?		
term_acc_ind	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_BGVNS			
Structured Type : backward_GVNS			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01001101'B		no information
length	'01'O		
term_acc_ind	'00'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_Cause_o Structured Type : cause_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_Cause		CCITT standardized coding last octet
length	?		
Loc	?		
spare	'0'B		
CodS	'00'B		
ExtI_1	'1'B		
CauseV	?		
ExtI_2	?		
Diag	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_Cause_m			
Structured Type : cause_indicators			
Derivation Path : r_Cause_o.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_Cause_o Structured Type : cause_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_Cause		
length	'02'O		
Loc	'0000'B		User
spare	'0'B		
CodS	'00'B		CCITT standardized coding
ExtI_1	'1'B		last octet
CauseV	'0010000'B		Normal call clearing
ExtI_2	'1'B		last octet
Diag	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_Cause_diag			
Structured Type : cause_indicators			
Derivation Path : s_Cause_o.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
Diag	PN_UUInd		parameter name user-to-user indicators
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_Cause_m			
Structured Type : cause_indicators			
Derivation Path : s_Cause_o.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CCSSpar			
Structured Type : call_completion_supplementary_service			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CCSSpar		
length	'01'O		
CCSSCI	'1'B		
spare	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CCSSpar			
Structured Type : call_completion_supplementary_service			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CCSSpar		
length	'01'O		
CCSSCI	'1'B		
spare	'0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CCNR			
Structured Type : CCNR_possible_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CCNRpos		
length	'01'O		
CCNRPosInd	?		
spare	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CCNR			
Structured Type : CCNR_possible_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CCNRpos		CCNR possible
length	'01'O		
CCNRPosInd	'1'B		
spare	'0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CCSS			
Structured Type : call_completion_supplementary_service			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01001011'B		
length	?		
CCSSCI	?		
spare	'00000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CCSS			
Structured Type : call_completion_supplementary_service			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01001011'B		no information
length	'01'O		
CCSSCI	'0'B		
spare	'00000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CctAssMap Structured Type : circuit_assignment_map Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CctAssMap		
length	?		
map_type	?		
map_format_1	?		
map_format_2	?		
map_format_3	?		
map_format_4	? IF_PRESENT		Not used for 1544 kb/s digital path map
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CctAssMap Structured Type : circuit_assignment_map Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CctAssMap		
length	'05'O		
map_type	'000010'B		2048 k/bit map
map_format_1	'00000000'B		
map_format_2	'00000000'B		
map_format_3	'00000000'B		
map_format_4	'00000000'B IF_PRESENT		Not used for 1544 kb/s digital path map
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CDInf Structured Type : call_diversion_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CDInf		
length	'01'O		
NSO	?		Notification subscription option
RnReas	?		Redirection reason
spare	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CDInf			
Structured Type : call_diversion_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CDInf		
length	'01'O		
NSO	'010'B		presentation allowed with redirection number
RnReas	'0000'B		Redirection reason default unknown
spare	'0'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CdINnum Structured Type : called_IN_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CdINnum		ISDN numbering plan (E.164)
length	?		
NatAdrl	?		
OdEvl	?		
spare_1	'00'B		
APRI	?		
NbPI	'001'B		
spare_2	'0'B		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CdINnum Structured Type : called_IN_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CdINnum		
length	'07'O		
NatAdrl	TSP_NatAdrl_cin_R		National significant number
OdEvl	'0'B		Even number of address digits
spare_1	'00'B		
APRI	'00'B		Presentation allowed
NbPI	'001'B		ISDN numbering plan (E.164)
spare_2	'0'B		
AdSg	'4991232793'H		Some number
Filler	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CDivTrInd			
Structured Type : call_diversion_treatment_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01101110'B		
length	?		
call_diverted_indicator	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CDivTrInd			
Structured Type : call_diversion_treatment_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01101110'B		no information
length	'01'O		
call_diverted_indicator	'00'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CdPN			
Structured Type : called_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	?		international number or national (significant) number
NatAdrl	('0000011'B, '0000100'B)		
OdEvl	?		
spare	'0000'B		
NbPl	?		
INtwNbl	?		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CdPN(val_CdPN: HEX_N) Structured Type : called_party_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
length	TSO_Nb_len(val_CdPN)		
NatAdrl	TSP_NatAdrl_R		national (significant) number or international number
OdEvl	TSO_OddEven(val_CdPN)		
spare	'0000'B		
NbPl	'001'B		ISDN numbering plan (E.164)
INtwNbl	'1'B		routing to internal network number not allowed
AdSg	val_CdPN		
Filler	TSO_Filler(val_CdPN)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPN Structured Type : calling_party_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CgPN		
length	?		
NatAdrl	?		
OdEvl	?		
ScrI	?		
APRI	?		
NbPI	'001'B		ISDN numbering plan (E.164)
CgPNII	?		
AdSg	?		because provided by the network
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPN_AdSg(val_CgPN:HEX_N; val_NatAdrl:BIT_7)			
Structured Type : calling_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CgPN		ISDN numbering plan (E.164)
length	TSO_Nb_len(val_CgPN)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_CgPN)		
ScrI	?		
APRI	?		
NbPI	'001'B		
CgPNII	?		
AdSg	val_CgPN		
Filler	TSO_Filler(val_CgPN)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPN_AdSg_avail Structured Type : calling_party_number Derivation Path : r_CgPN. Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
NatAdrl	?		incomplete address signal
ScrI	?		
CgPNII	'1'B		
AdSg	TSP_Nb_C_avail		
Filler	TSO_Filler(TSP_Nb_C_avail)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPN_APRI2 Structured Type : calling_party_number Derivation Path : r_CgPN. Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
length	'02'O		network provided address not available @
NatAdrl	'0000000'B		
OdEvl	'0'B		
ScrI	'11'B		
APRI	'10'B		
NbPI	'000'B		
CgPNII	'0'B		
AdSg	—		
Filler	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPN_MCID Structured Type : calling_party_number Derivation Path : r_CgPN. Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
AdSg	TSP_Nb_A		
Filler	TSO_Filler(TSP_Nb_A)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CgPN(val_CgPN: HEX_N; val_NatAdrl:BIT_7) Structured Type : calling_party_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CgPN		
length	TSO_Nb_len(val_CgPN)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_CgPN)		
ScrI	'11'B		network provided (default)
APRI	'00'B		presentation allowed (default)
NbPI	'001'B		ISDN numbering plan (E.164)
CgPNII	'0'B		complete
AdSg	val_CgPN		
Filler	TSO_Filler(val_CgPN)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CgPN_APRI2 Structured Type : calling_party_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CgPN		
length	'02'O		
NatAdrl	'0000000'B		spare
OdEvl	'0'B		even number of address signal
ScrI	'11'B		network provided (default)
APRI	'10'B		address not available
NbPI	'000'B		spare
CgPNII	'0'B		complete
AdSg	—		omitted
Filler	—		omitted
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CgPC_m Structured Type : calling_partys_category Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
length	–		
CgPC_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CgPC_m Structured Type : calling_partys_category Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
length	–		
CgPC_field	'00001010'B		ordinary calling subscriber
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CHInf Structured Type : call_history_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CHInf		
length	'02'O		
CHInf_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CHInf(CHInf_val: OCT_2) Structured Type : call_history_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CHInf		
length	'02'O		
CHInf_field	CHInf_val		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ChPtyId Structured Type : charged_party_identification Derivation Path : Encoding Variation: Comments : Belongs in Identification Response MSU			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ChPtyId		
length	?		
ch_pty_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CRef Structured Type : call_reference Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CRef		
length	'05'O		
CRef_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_COffTrInd			
Structured Type : call_offering_treatment_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01110000'B		
length	?		
CallOffer_ind	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_COffTrInd			
Structured Type : call_offering_treatment_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01110000'B		no information
length	'01'O		
CallOffer_ind	'00'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ColCReq			
Structured Type : collect_call_request			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ColCReq		Collect call request indicator
length	'01'O		
ColCallReqInd	?		
spare	'0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ColCReq			
Structured Type : collect_call_request			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ColCReq		no information
length	'01'O		
ColCallReqInd	'0'B		
spare	'0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ConTrInd			
Structured Type : conference_treatment_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01110010'B		
length	?		
ConfAcclnd	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ConTrInd			
Structured Type : conference_treatment_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01110010'B		no information
length	'01'O		
ConfAcclnd	'00'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ConNb Structured Type : connected_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ConNb		national (significant) number or international number
length	?		
NatAdrl	('0000011'B, '0000100'B)		
OdEvl	?		
Scrl	?		
APRI	?		ISDN numbering plan (E.164)
NbPI	'001'B		
spare	'0'B		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ConNb_AdSg(val_ConNb: HEX_N; val_NatAdrl:BIT_7)			
Structured Type : connected_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ConNb		ISDN numbering plan (E.164)
length	TSO_Nb_len(val_ConNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_ConNb)		
ScrI	?		
APRI	?		
NbPI	'001'B		
spare	'0'B		
AdSg	val_ConNb		
Filler	TSO_Filler(val_ConNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ConNb_APRI2			
Structured Type : connected_number			
Derivation Path : r_ConNb.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	'02'O		spare network provided address not available @
NatAdrl	'0000000'B		
OdEvl	'0'B		
ScrI	'11'B		
APRI	'10'B		
NbPI	'000'B		
AdSg	—		
Filler	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ConNb(val_ConNb: HEX_N; val_NatAdrl:BIT_7) Structured Type : connected_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ConNb		
length	TSO_Nb_len(val_ConNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_ConNb)		
ScrI	'11'B		network provided
APRI	'00'B		presentation allowed
NbPI	'001'B		ISDN numbering plan (E.164)
spare	'0'B		
AdSg	val_ConNb		
Filler	TSO_Filler(val_ConNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ConNb_AdSg(val_ConNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : connected_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ConNb		
length	TSO_Nb_len(val_ConNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_ConNb)		
ScrI	'11'B		network provided
APRI	'00'B		presentation allowed
NbPI	'001'B		ISDN numbering plan (E.164)
spare	'0'B		
AdSg	val_ConNb		Subscriber number for which the call will be routed to signalling point B (SP C)
Filler	TSO_Filler(val_ConNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ConRq Structured Type : connection_request Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001101'B		
length	'07'O		
ConRq_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CorrID Structured Type : correlation_id Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CorrID		
length	?		
correlation_id	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CorrID			
Structured Type : correlation_id			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CorrID		
length	'01'O		
correlation_id	'00'O		See Q.1218
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CTNb Structured Type : call_transfer_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CTNb		
length	?		
NatAdrl	('0000011'B , '0000100'B)		international number or national (significant) number
OdEvl	?		
Scrl	?		
APRI	?		
NbPI	'001'B		ISDN numbering plan (E.164)
CTNII	?		
AdSg	?		
Filler	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CTNb_AdSg(val_CTNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : call_transfer_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CTNb		
length	TSO_Nb_len(val_CTNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_CTNb)		
ScrI	?		
APRI	?		
NbPI	?		
CTNII	?		
AdSg	val_CTNb		because provided by the network
Filler	TSO_Filler(val_CTNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CTNb(val_CTNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : call_transfer_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CTNb		
length	TSO_Nb_len(val_CTNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_CTNb)		
ScrI	'11'B		network provided
APRI	'00'B		presentation allowed
NbPI	'001'B		ISDN numbering plan (E.164)
CTNII	'0'B		
AdSg	val_CTNb		
Filler	TSO_Filler(val_CTNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CTRef			
Structured Type : call_transfer_reference			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length CTId	PN_CTRef '01'O ?		call transfer identity – integer (0..255)
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CTRef(val_CTId:OCT_1)			
Structured Type : call_transfer_reference			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length CTId	PN_CTRef '01'O val_CTId		call transfer identity – integer (0..255)
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_CUGIC			
Structured Type : closed_user_group_interlock_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CUGIC		
length	'04'O		
Ntwld	?		
BinCode	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_CUGIC Structured Type : closed_user_group_interlock_code Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_CUGIC		
length	'04'O		
Ntwld	TSP_CUGIC_Ntwld		
BinCode	TSP_CUGIC_BinCode		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_DisInf Structured Type : display_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_DisInf		
length	?		
DisInf	?		As described in Q.931
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_DisInf			
Structured Type : display_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_DisInf		
length	'01'O		
DisInf	'A5'O		As described in Q.931
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_EchoInf			
Structured Type : echo_control_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_EchoInf		
length	'01'O		
OEchoRsl	?		
IEchoRsl	?		
OEchoRql	?		
IEchoRql	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_EvInf Structured Type : event_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
EventI	?		
EvPRI	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_EvInf_EventI_02 Structured Type : event_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
EventI	progress		call progress
EvPRI	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_EvInf (var_EvInf: BIT_7) Structured Type : event_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
Eventl EvPRI	var_EvInf '0'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_FacIc Structured Type : facility_indicator Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
FacIc	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_Faclc			
Structured Type : facility_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
Faclc	'00000010'B		user-to-user service
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_FCI			
Structured Type : forward_call_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
InatCI	?		no interworking encountered
EEMthI	?		
IWI	'0'B		
EEInfl	?		
ISUPI	'1'B		
IPI	?		
ISDNAI	?		
SCCPMI	?		
spare_1	'0'B		
spare_2	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_FCI Structured Type : forward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
InatCI	TSO_InatCI()		national or international call depending on TSP_international_call setting
EEMthI	'00'B		no end-to-end method available
IWI	'0'B		no interworking encountered
EEInfl	'0'B		no end-to-end information available
ISUPI	'1'B		ISUP used all the way
IPI	'00'B		ISUP preferred all the way
ISDNAI	TSP_Orig_ISDN_access		originating access ISDN
SCCPMI	'00'B		no indication
spare_1	'0'B		
spare_2	'0000'B		@
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ForGVNS			
Structured Type : forward_GVNS			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ForGVNS		
length	?		
OPSP	?		
GUG	?		
TNRN	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_ForGVNS			
Structured Type : forward_GVNS			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ForGVNS		
length	'01'O		
OPSP	'0000001'B		
GUG	'0000001'B		
TNRN	'0000001'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_GenDig			
Structured Type : generic_digits			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_GenDig		
length	?		
GenDig_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_GenNb			
Structured Type : generic_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_GenNb		number qualifier indicator
length	?		
Nbqfl	?		
NatAdrl	?		
OdEvl	?		
ScrI	?		
APRI	?		
NbPI	?		
NbIncl	?		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_GenNb_AdSg(val_NbQlfl:BIT_8;val_GenNb:HEX_N; val_NatAdrl:BIT_7)			
Structured Type : generic_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_GenNb		number qualifier indicator
length	TSO_GenNb_len(val_GenNb)		
Nbqfl	val_NbQlfl		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_GenNb)		
ScrI	?		
APRI	?		
NbPI	?		
NbIncl	?		
AdSg	val_GenNb		
Filler	TSO_Filler(val_GenNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_GenNb(val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) Structured Type : generic_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_GenNb		
length	TSO_GenNb_len(val_GenNb)		
Nbqfl	val_NbQlfl		number qualifier indicator
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_GenNb)		
ScrI	'00'B		user provided, not verified (default)
APRI	'00'B		presentation allowed (default)
NbPI	'001'B		ISDN numbering plan (E.164)
NbIncl	'0'B		number complete
AdSg	val_GenNb		
Filler	TSO_Filler(val_GenNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_GenNot			
Structured Type : generic_notification_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_GenNot		
length	'01'O		
NotInd	?		
ext	?		last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_GenNot (val_NotInd: BIT_7) Structured Type : generic_notification_indicator Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length NotInd ext	PN_GenNot '01'O val_NotInd '1'B		last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_GenRef Structured Type : generic_reference Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length GenRef_contents	PN_GenRef ? ?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_HopCnt Structured Type : hop_counter Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111101'B		
length	'01'O		
hop_counter	?		
spare	'000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_HopCnt(Hop_val: INTEGER)			
Structured Type : hop_counter			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111101'B		
length	'01'O		
hop_counter	TSO_INT_TO_BIT_5(Hop_val)		
spare	'000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_Inflnd Structured Type : information_indicators Derivation Path : Encoding Variation: Comments : 3.28 / Q.763			
Element Name	Element Value	Element Encoding	Comments
CPAddI	'00'B		Calling party address response indicator
Hold	'0'B		hold provided indicator
spare	'00'B		spare
CPCatI	'0'B		Calling party category response indicator
ChInfl	'0'B		Charge information response indicator
SollInfl	'0'B		Solicited information indicator
spareByte	'00000000'B		spare
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_InfReqInd Structured Type : information_request_indicators Derivation Path : Encoding Variation: Comments : 3.28 / Q.763			
Element Name	Element Value	Element Encoding	Comments
CPAddI	'0'B		Calling party address response indicator
Hold	'0'B		hold provided indicator
spare1	'0'B		spare
CPCatI	'0'B		Calling party category response indicator
ChInfl	'0'B		Charge information response indicator
spare2	'00'B		Solicited information indicator
MCIRI	'0'B		Malicious call identification request indicator
spare3	'00000000'B		spare
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_LocNb Structured Type : location_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111111'B		Routing to internal number not allowed
length	?		
NatAdrl	?		
OdEvl	?		
ScrI	?		
APRI	?		
NbPI	?		
INtwNbl	'1'B		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_LOPIc Structured Type : loop_prevention_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_LOPIc		
length	'01'O		
Type	?		Type (0 – request / 1 – response) default: request
Rspl	?		Response indicator (if response) default: 'insufficient information' 01 – 'no loop exists' 10 – 'simultaneous transfer' 11 – spare
spare	'00000'B		spare
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_LOPlc(val_Type:BIT_1; val_Rspl:BIT_2) Structured Type : loop_prevention_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_LOPlc		
length	'01'O		
Type	val_Type		Type (0 – request / 1 – response) default: request
Rspl	val_Rspl		Response indicator (if response) default: 'insufficient information' 01 – 'no loop exists' 10 – 'simultaneous transfer' 11 – spare
spare	'00000'B		spare
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_MCIDRq			
Structured Type : MCID_request_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MCIDRq		
length	'01'O		
MCIDRq	?		
HoldI	?		@
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_MCIDRq			
Structured Type : MCID_request_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MCIDRq		MCID requested @
length	'01'O		
MCIDRq	'1'B		
HoldI	'0'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_MCIDRs			
Structured Type : MCID_response_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MCIDRs		MCID response indicator Holding indicator @
length	'01'O		
MCIDRs	?		
HoldI	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_MCIDRs			
Structured Type : MCID_response_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MCIDRs		MCID included Holding indicator @
length	'01'O		
MCIDRs	'1'B		
HoldI	'0'B		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_MsgCmp(discmsg:BIT_1) Structured Type : message_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MsgCmp		
length	'01'O		
TrInEI	'0'B		transit node interpretation
RIsCI	'0'B		do not release call
SendNfl	'0'B		do not send notification
DMsgI	discmsg		0 – pass on, 1 – discard
PassNPI	'1'B		discard information
spare	'00'B		
ExtI	'1'B		last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_MsgCmp Structured Type : message_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MsgCmp		
length	'01'O		
TrInEI	?		
RIsCI	?		
SendNfl	?		
DMsgI	?		
PassNPI	?		
spare	'00'B		
ExtI	'1'B		Last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_MLPPpre Structured Type : MLPP_precedence Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_MLPPpre		
length	'06'O		
MLPPpre_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_NatCon			
Structured Type : nature_of_connection_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
Satl	?		Continuity check not required
CntChl	'00'B		
ECDI	?		
spare	'000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_NatCon			
Structured Type : nature_of_connection_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
Satl	'00'B		no satellite circuit in the connection
CntChl	'00'B		Continuity check not required
ECDI	'0'B		outgoing half echo control device not included
spare	'000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_NtwFac			
Structured Type : network_specific_facility			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_NtwFac		
length	?		
NtwFac_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_NetManCon			
Structured Type : network_management_controls			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_NetManCon		
length	?		
TAR_indicator	?		
spare	'000000'B		
Extl	'1'B		last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_NetManCon			
Structured Type : network_management_controls			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_NetManCon		
length	'01'O		
TAR_indicator	'0'B		no indication
spare	'000000'B		
Extl	'1'B		last octet
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_OBCI Structured Type : optional_backward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OBCI		
length	'01'O		
InBndInfl	?		
CDmo	?		
Sgml	?		
MLPPUsrl	'0'B		no indication
spare	'0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_OBCI Structured Type : optional_backward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OBCI		
length	'01'O		
InBndInfl	'0'B		no indication
CDmo	'0'B		no indication
Sgml	'0'B		no additional information
MLPPUsrl	'0'B		no indication
spare	'0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_OFCI			
Structured Type : optional_forward_call_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OFCI		
length	'01'O		
CUGCI	?		CUG call indicator
Sgml	?		Segmentation indicator
spare	'0000'B		
COLRql	?		COL request
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_OFCI Structured Type : optional_forward_call_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OFCI		
length	'01'O		
CUGCI	'00'B		non-CUG call
Sgml	'0'B		no additional information will be sent
spare	'0000'B		
COLRql	'0'B		not requested
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_OriCdNb Structured Type : original_called_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OriCdNb		ISDN numbering plan (E.164)
length	?		
NatAdrl	?		
OdEvl	?		
spare_1	'00'B		
APRI	?		
NbPl	'001'B		
spare_2	'0'B		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_OriCdNb_AdSg(val_OriCdNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : original_called_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OriCdNb		ISDN numbering plan (E.164)
length	TSO_Nb_len(val_OriCdNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_OriCdNb)		
spare_1	'00'B		
APRI	?		
NbPl	'001'B		
spare_2	'0'B		
AdSg	val_OriCdNb		
Filler	TSO_Filler(val_OriCdNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_OriCdNb(val_OriCdNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : original_called_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OriCdNb		Presentation allowed ISDN numbering plan (E.164)
length	TSO_Nb_len(val_OriCdNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_OriCdNb)		
spare_1	'00'B		
APRI	'00'B		
NbPI	'001'B		
spare_2	'0'B		
AdSg	val_OriCdNb		
Filler	TSO_Filler(val_OriCdNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_OriCdNb_APRI2 Structured Type : original_called_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OriCdNb		
length	'02'O		
NatAdrl	'0000000'B		spare
OdEvl	'0'B		even number of address signal
spare_1	'11'B		
APRI	'10'B		address not available
NbPl	'000'B		spare
spare_2	'0'B		
AdSg	—		omitted
Filler	—		omitted
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_OrilSC			
Structured Type : origination_ISC_point_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_OrilSC		
length	'02'O		
OrilSC_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_ParCmp Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	?		
UParid_1	?		
Transl_1	?		
RIsCI_1	?		
SendNfl_1	?		
DMsgl_1	?		
DParl_1	?		
PassNPI_1	?		
Extl_1	?		
UParid_2	*		
Instrl_2	*		
Extl_2	*		
UParid_3	*		
Instrl_3	*		
Extl_3	*		
UParid_4	*		
Instrl_4	*		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
ExtI_4	*		
UParid_5	*		
InstrI_5	*		
ExtI_5	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_1ParCmp (val_discpar:BIT_1;val_Parid:BIT_8) Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	?		
UParid_1	val_Parid		
Transl_1	'0'B		
RIsCI_1	'0'B		
SendNfl_1	'0'B		
DMsgl_1	'0'B		
DParl_1	val_discpar		
PassNPI_1	'10'B		
Extl_1	?		
UParid_2	*		
Instrl_2	*		
Extl_2	*		
UParid_3	*		
Instrl_3	*		
Extl_3	*		
UParid_4	*		
Instrl_4	*		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
ExtI_4	*		
UParid_5	*		
InstrI_5	*		
ExtI_5	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_1ParCmp(val_Parid:BIT_8; discpar:BIT_1) Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	'02'O		
UParid_1	val_Parid		parameter name
Transl_1	'0'B		transit interpretation
RIsCI_1	'0'B		do not release call
SendNfl_1	'0'B		do not send notification
DMsgl_1	'0'B		do not discard message (pass on)
DParl_1	discpar		'1'B discard parameter;'0'B pass on
PassNPI_1	'10'B		discard parameter
Extl_1	'1'B		last octet
UParid_2	—		
Instrl_2	—		
Extl_2	—		
UParid_3	—		
Instrl_3	—		
Extl_3	—		
UParid_4	—		
Instrl_4	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_4	—		
UParid_5	—		
Instrl_5	—		
Extl_5	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_2ParCmp(val_Parid1, val_Parid2:BIT_8) Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	'04'O		
UParid_1	val_Parid1		1st parameter name
Transl_1	'0'B		transit interpretation
RIsCI_1	'0'B		do not release call
SendNfl_1	'0'B		do not send notification
DMsgl_1	'0'B		do not discard message (pass on)
DParl_1	'0'B		do not discard parameter (pass on)
PassNPI_1	'10'B		discard parameter
Extl_1	'0'B		not last octet
UParid_2	val_Parid2		2nd parameter name
Instrl_2	'1000000'B		same setting as before
Extl_2	'1'B		last octet
UParid_3	—		
Instrl_3	—		
Extl_3	—		
UParid_4	—		
Instrl_4	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_4	—		
UParid_5	—		
Instrl_5	—		
Extl_5	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_3ParCmp(val_Parid1, val_Parid2, val_Parid3:BIT_8) Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	'04'O		
UParid_1	val_Parid1		1st parameter name
Transl_1	'0'B		transit interpretation
RIsCI_1	'0'B		do not release call
SendNfl_1	'0'B		do not send notification
DMsgl_1	'0'B		do not discard message (pass on)
DParl_1	'0'B		do not discard parameter (pass on)
PassNPI_1	'10'B		discard parameter
Extl_1	'0'B		not last octet
UParid_2	val_Parid2		2nd parameter name
Instrl_2	'1000000'B		same setting as before
Extl_2	'0'B		not last octet
UParid_3	val_Parid3		3rd parameter name
Instrl_3	'1000000'B		same setting as before
Extl_3	'1'B		last octet
UParid_4	—		
Instrl_4	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_4	—		
UParid_5	—		
Instrl_5	—		
Extl_5	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_2ParCmp_disc(val_Parid1, val_Parid2:BIT_8) Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_ParCmp		
length	'04'O		
UParid_1	val_Parid1		1st parameter name
Transl_1	'0'B		transit interpretation
RIsCI_1	'0'B		do not release call
SendNfl_1	'0'B		do not send notification
DMsgl_1	'0'B		do not discard message (pass on)
DParl_1	'1'B		discard parameter
PassNPI_1	'10'B		discard parameter
Extl_1	'0'B		not last octet
UParid_2	val_Parid2		2nd parameter name
Instrl_2	'1010000'B		same setting as before
Extl_2	'1'B		last octet
UParid_3	—		
Instrl_3	—		
Extl_3	—		
UParid_4	—		
Instrl_4	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_4	—		
UParid_5	—		
Instrl_5	—		
Extl_5	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_PDC Structured Type : propagation_delay_counter Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_PDC		
length	'02'O		
PDC_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_PDC			
Structured Type : propagation_delay_counter			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_PDC		
length	'02'O		
PDC_field	'0000'O		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RgNb Structured Type : redirecting_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RgNb		
length	?		
NatAdrl	('0000011'B, '0000100'B)		national (significant) number or international number
OdEvl	?		
spare1	'00'B		
APRI	?		
NbPI	'001'B		ISDN numbering plan (E.164)
spare2	'0'B		
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RgNb_AdSg(val_RgNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : redirecting_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RgNb		ISDN numbering plan (E.164)
length	TSO_Nb_len(val_RgNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_RgNb)		
spare1	'00'B		
APRI	?		
NbPI	'001'B		
spare2	'0'B		
AdSg	val_RgNb		
Filler	TSO_Filler(val_RgNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_RgNb(val_RgNb: HEX_N; val_NatAdrl:BIT_7)			
Structured Type : redirecting_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RgNb		presentation allowed (default) ISDN numbering plan (E.164)
length	TSO_Nb_len(val_RgNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_RgNb)		
spare1	'00'B		
APRI	'00'B		
NbPI	'001'B		
spare2	'0'B		
AdSg	val_RgNb		
Filler	TSO_Filler(val_RgNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_RgNb_APRI2 Structured Type : redirecting_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RgNb		
length	'02'O		
NatAdrl	'0000000'B		spare
OdEvl	'0'B		even number of address signal
spare1	'00'B		
APRI	'10'B		address not available @
NbPl	'000'B		spare
spare2	'0'B		
AdSg	—		omitted
Filler	—		omitted
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RnInf			
Structured Type : redirection_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnInf		
length	'02'O		
Rglc	?		
spare_1	'0'B		
OriRnReas	*		
RnCnt	?		
spare_2	'0'B		
RgReas	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_RnInf Structured Type : redirection_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnInf		
length	'02'O		
Rglc	'011'B		call diversion
spare_1	'0'B		
OriRnReas	'0000'B		unknown/not available
RnCnt	'001'B		one diversion
spare_2	'0'B		
RgReas	CFU		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RnNb Structured Type : redirection_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnNb		
length	?		
NatAdrl	('0000111'B, '0000100'B)		national (significant) number or international number
OdEvl	?		
spare	'0000'B		
NbPI	'001'B		ISDN numbering plan (E.164)
INtwNbl	?		internal network number indicator
AdSg	?		
Filler	'0'H IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RnNb_AdSg(val_RnNb:HEX_N; val_NatAdrl:BIT_7) Structured Type : redirection_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnNb		ISDN numbering plan (E.164) internal network number indicator
length	TSO_Nb_len(val_RnNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_RnNb)		
spare	'0000'B		
NbPl	'001'B		
INtwNbl	?		
AdSg	val_RnNb		
Filler	TSO_Filler(val_RnNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_RnNb (val_RnNb: HEX_N; val_NatAdrl:BIT_7) Structured Type : redirection_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnNb		
length	TSO_Nb_len(val_RnNb)		
NatAdrl	val_NatAdrl		
OdEvl	TSO_OddEven(val_RnNb)		
spare	'0000'B		spare
NbPl	'001'B		ISDN numbering plan (E.164)
INtwNbl	'0'B		routing to internal network number allowed
AdSg	val_RnNb		
Filler	TSO_Filler(val_RnNb)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RnNbRes			
Structured Type : redirection_number_restriction			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_RnNbRes		presentation restricted indicator
length	'01'O		
RnNbResI	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_RnNbRes (val_RnNbResI: BIT_2) Structured Type : redirection_number_restriction Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length RnNbResI spare	PN_RnNbRes '01'O val_RnNbResI '000000'B		presentation restricted indicator
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_RemOp Structured Type : remote_operations Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length RemOp_contents	PN_RemOp ? ?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_SCFid Structured Type : SCF_id Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_SCFid		
length	?		
SCF_id	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_SCFid Structured Type : SCF_id Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_SCFid		
length	'01'O		
SCF_id	'00'O		See Q.1218
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_ServAct Structured Type : service_activation Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length FeatCode	PN_ServAct '01'O '00000001'B		feature code = call transfer activation
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_SPC Structured Type : signalling_point_code Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length SPC_contents	PN_SPC '02'O ?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : SusRes_any			
Structured Type : suspend_resume_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
SusResI spare	? '0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_SusRes_ntw_init			
Structured Type : suspend_resume_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
SusResI spare	'1'B '0000000'B		network initiated
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_s_SusRes_user_init Structured Type : suspend_resume_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
SusRes1 spare	'0'B '0000000'B		user initiated
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_TNtwSel Structured Type : transit_network_selection Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length TNtwSel_contents	PN_TNtwSel ? ?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_TMRp Structured Type : transmission_medium_requirement_prime Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length TMRp_field	PN_TMRp '01'O ('00000000'B, '0000011'B)		Speech or 3.1 kHz audio
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_TMU Structured Type : transmission_medium_used Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length TMU_field	PN_TMU '01'O ('00000000'B, '00000011'B)		Speech or 3.1 kHz audio
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UIDAcInd			
Structured Type : UID_action_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UIDAcInd		
length	?		
ThConInsInd	?		
T9InsInd	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_UIDAcInd			
Structured Type : UID_action_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UIDAcInd		
length	'01'O		
ThConInsInd	'0'B		no indication
T9InsInd	'0'B		no indication
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UIDcapInd			
Structured Type : UID_capability_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UIDcapInd		
length	?		
through_connection_indicator	?		
T9_timer_indicator	?		
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_UIDcapInd			
Structured Type : UID_capability_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UIDcapInd		
length	'01'O		
through_connection_indicator	'0'B		no indication
T9_timer_indicator	'0'B		no indication
spare	'000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_USI Structured Type : user_service_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_USI		
length	?		
InfTrC	?		
CodS	'00'B		CCITT standardized coding
Extl_1	'1'B		
InfTR	'10000'B		64 kbit/s
TrMod	'00'B		Circuit mode
Extl_2	'1'B		
RatMul	—		
Extl_2a	—		
UInf1	('00010'B, '00011'B)		G.711 A-law or u-law
Lay1	'01'B		
Extl_3	'1'B		last octet for Layer 1
UsrRate	—		
Negot	—		
SynAsyn	—		
Extl_3a	—		
Bits_3b	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_3b	—		
PrtY	—		
NDatBit	—		
NStpBit	—		
Extl_3c	—		
MdmTyp	—		
DupMod	—		
Extl_3d	—		
UInf2	'00010'B IF_PRESENT		Recommendation Q.921/I.441 [3]
Lay2	'10'B IF_PRESENT		
Extl_4	'1'B IF_PRESENT		
UInf3	'00010'B IF_PRESENT		Recommendation Q.931/I.451
Lay3	'11'B IF_PRESENT		
Extl_5	'1'B IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_USlp Structured Type : user_service_information_prime Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_USlp		
length	?		
InfTrC	'10001'B		Speech
CodS	'00'B		CCITT standardized coding
Extl_1	'1'B		
InfTR	'10000'B		64 kbit/s
TrMod	'00'B		Circuit mode
Extl_2	'1'B		
RatMul	—		
Extl_2a	—		
UInf1	('00010'B, '00011'B)		G.711 A-law or u-law
Lay1	'01'B		
Extl_3	'1'B		last octet for Layer 1
UsrRate	—		
Negot	—		
SynAsyn	—		
Extl_3a	—		
Bits_3b	—		

Continued on next page

Continued from previous page

Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_3b	—		
PrtY	—		
NDatBit	—		
NStpBit	—		
Extl_3c	—		
MdmTyp	—		
DupMod	—		
Extl_3d	—		
UInf2	'00010'B IF_PRESENT		Recommendation Q.921/I.441 [3]
Lay2	'10'B IF_PRESENT		
Extl_4	'1'B IF_PRESENT		
UInf3	'00010'B IF_PRESENT		Recommendation Q.931/I.451
Lay3	'11'B IF_PRESENT		
Extl_5	'1'B IF_PRESENT		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UTI Structured Type : user_teleservice_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UTI		
length	('02'O, '03'O)		
Pres	'01'B		High layer protocol profile
Interpr	'100'B		First high layer characteristics identification
CodS	'00'B		CCITT standardized coding
Extl_1	'1'B		last octet
HLChrInf	?		
Extl_2	?		
ExHLChrInf	—		
Extl_2a	—		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UUInd			
Structured Type : user_to_user_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UUInd		
length	'01'O		
Type	?		
Serv1	?		
Serv2	?		
Serv3	?		
NtwDI	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_UUInd Structured Type : user_to_user_indicators Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101010'B		
length	'01'O		
Type	'0'B		'0'B = request, '1'B = response
Serv1	'00'B		no information
Serv2	'00'B		no information
Serv3	'00'B		no information
NtwDI	'0'B		no information
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UUInf Structured Type : user_to_user_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	PN_UUInf		
length	?		
UUInf_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : r_UUInf_v Structured Type : user_to_user_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		
length	?		
UUInf_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_UUInf			
Structured Type : user_to_user_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type length UUInf_contents	PN_UUInf '20'O "32bytesOfUser-to-userInformati on"		32
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : s_UUInf_v			
Structured Type : user_to_user_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	–		32
length	'20'O		
UUInf_contents	"32bytesOfUser–to–userInformati on"		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_BCAP1			
Structured Type : BCAP			
Derivation Path :			
Encoding Variation:			
Comments : Bearer capability information element			
Element Name	Element Value	Element Encoding	Comments
bcap_i	'00000100'B		
bcap_l	TSV_BCAPL		
bcap_con	TSV_BCAPV		
Detailed Comments : TSV_BCAPV and TSV_BCAPL are test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CAU(CVAL: INTEGER)			
Structured Type : CAU			
Derivation Path :			
Encoding Variation:			
Comments : Cause information element			
Element Name	Element Value	Element Encoding	Comments
cau_i	'00001000'B		(1)
cau_l	'00000010'B		
cau_e3_loc	'10000000'B		
cau_e4_rec	–		
cau_e5_cv1	'1'B		
cau_e5_cv2	INT_TO_BIT(CVAL,7)		
cau_di	–		
Detailed Comments : Send constraint with parametrised cause value.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CDPN1(LIPN, IPN: OCTETSTRING)			
Structured Type : CDPN			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
cdpn_i	'01110000'B		
cdpn_l	LIPN		
cdpn_e3_npi	TSV_CDPNOCTET3		
cdpn_e4_nd	IPN		
Detailed Comments : Constraint with parametrised length value and number digits; TSV_CDPNOCTET3 is a test suite parameter			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CDPN3			
Structured Type : CDPN			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
cdpn_i	'01110000'B		
cdpn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_B)		
cdpn_e3_npi	TSV_CDPNOCTET3		
cdpn_e4_nd	TSO_HEX_TO_OCTET(TSP_Nb_B)		
Detailed Comments : TSP_NB_B and TSV_CDPNOCTET3 are test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CGPN1 Structured Type : CGPN Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
cgpn_i	'01101100'B		Identifier
cgpn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_A_default)		Length value
cgpn_e3_ton	'1010'B		TON = national number
cgpn_e3_npi	'0001'B		NPI = ISDN/telephony
cgpn_e4_pi	–		No presentation indicator
cgpn_e4_si	–		No screening indicator
cgpn_e5_nd	TSP_Nb_A_default		Number digits
Detailed Comments : TSP_NB_B is test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CGPS1 Structured Type : CGPS Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
cgps_i	'01101101'B		Identifier
cgps_l	'00000101'B		Length value
cgps_e3_tos	'1000'B		TOS = NSAP
cgps_e3_oei	'0'B		Odd/even indicator without significance
cgps_e3_sp	'000'B		Spare
cgps_e4_si	'14377682'O		Subaddress information, arbitrary value
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CDPS1(LIPN, IPN: OCTETSTRING)			
Structured Type : CDPS			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
cdps_i	'01110001'B		
cdps_l	LIPN		
cdps_e3_tos	'10000000'B		
cdps_e4_si	IPN		
Detailed Comments : Constraint with parametrised length value and number digits; TSV_CDPNOCTET3 is a test suite parameter			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CR18(CALL_REF: BIT7OR15) Structured Type : CR Derivation Path : Encoding Variation: Comments : Call reference with parametrized flag value.			
Element Name	Element Value	Element Encoding	Comments
cr_l	INT_TO_BIT(TSV_CRLENGTH,8)		
cr_f	'1'B		
cr_r	CALL_REF		
Detailed Comments : Constraint with parametrised Call reference flag and Call reference value. The value of cr_l determined by the Test suite parameter TSV_CRLENGTH is either '00000001' B for basic access or '00000010'B for primary rate access.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CR32(CALL_REF: BIT7OR15)			
Structured Type : CR			
Derivation Path :			
Encoding Variation:			
Comments : This CR can be used for outgoing and incoming calls.			
Element Name	Element Value	Element Encoding	Comments
cr_l	INT_TO_BIT(TSV_CRLENGTH,8)		(1)
cr_f	?		
cr_r	CALL_REF		
Detailed Comments : &COMMON_N10 Constraint with parametrised Call reference value. The value of cr_l determined by the Test suite parameter TSV_CRLENGTH is either '00000001' B for basic access or '00000010' B for primary rate access. (1) Any Call reference flag value is acceptable.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_HLC1 Structured Type : HLC Derivation Path : Encoding Variation: Comments : High layer compatibility information element			
Element Name	Element Value	Element Encoding	Comments
hlc_i	'01111101'B		
hlc_l	TSV_HLCL		
hlc_con	TSV_HLCV		
Detailed Comments : TSV_HLCV and TSV_HLCL are test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_LLC1 Structured Type : LLC Derivation Path : Encoding Variation: Comments : Low layer compatibility information element			
Element Name	Element Value	Element Encoding	Comments
llc_i	'01111100'B		
llc_l	TSV_LLCL		
llc_con	TSV_LLCV		
Detailed Comments : TSV_LLCV and TSV_LLCL are test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_NOID(val:OCTETSTRING)			
Structured Type : NOID			
Derivation Path :			
Encoding Variation:			
Comments : Notification indicator information element			
Element Name	Element Value	Element Encoding	Comments
noid_i	'00100111'B		
noid_l	'00000001'B		
noid_e3_nd	val		(1)
Detailed Comments : (1) Any value acceptable for the Notification description.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_UUI1 (LENGTH : INTEGER; INFORMATION : OCTETSTRING)			
Structured Type : UUI			
Derivation Path :			
Encoding Variation:			
Comments : Info Element User–User			
Element Name	Element Value	Element Encoding	Comments
uui_i	'01111110'B		Identifier
uui_l	INT_TO_BIT(LENGTH,8)		Length
uui_pd	'00001000'B		Protocol discriminator
uui_uic	INFORMATION		User information
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CODN1 Structured Type : CODN Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
codn_i	'01001100'B		Identifier
codn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_B)		Length value
codn_e3_ton	'1010'B		TON = national number
codn_e3_npi	'0011'B		NPI = data numbering plan; arbitrary value that will be discarded by the network
codn_e4_pi	—		No presentation indicator
codn_e4_si	—		No screening indicator
codn_e5_nd	TSP_Nb_B		Number digits
Detailed Comments : TSP_NB_B is test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CODN2 Structured Type : CODN Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
codn_i	'01001100'B		Identifier
codn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_C_incomplete)		Length value
codn_e3_ton	'1010'B		TON = national number
codn_e3_npi	'0001'B		NPI = ISDN/Telephony numbering plan
codn_e4_pi	–		No presentation indicator
codn_e4_si	–		No screening indicator
codn_e5_nd	TSP_Nb_C_incomplete		Number digits
Detailed Comments : TSP_NB_C_INCOMPLETE is a test suite parameter.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CODS1 Structured Type : CODS Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
cods_i	'01001101'B		Identifier
cods_l	'05'O		Length value
cods_e3_tos	'1000'B		TOS = NSAP
cods_e3_oei	'0'B		Odd/even indicator without significance
cods_e3_sp	'000'B		Spare
cods_e4_si	'14377682'O		Subaddress information, arbitrary value
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CODN3 Structured Type : CODN Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
codn_i	'01001100'B		Identifier
codn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_A_MSN)		Length value
codn_e3_ton	'1010'B		TON = national number
codn_e3_npi	'0001'B		NPI = ISDN
codn_e4_pi	–		No presentation indicator
codn_e4_si	–		No screening indicator
codn_e5_nd	TSP_Nb_A_MSN		Number digits
Detailed Comments : TSP_NB_A_MSN is test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_CDPN2			
Structured Type : CDPN			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
cdpn_i	'01110000'B		
cdpn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_A)		
cdpn_e3_npi	TSV_CDPNOCTET3		
cdpn_e4_nd	TSO_HEX_TO_OCTET(TSP_Nb_A)		
Detailed Comments : TSP_NB_B and TSV_CDPNOCTET3 are test suite parameters.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_NOID2(val:OCTETSTRING)			
Structured Type : NOID			
Derivation Path :			
Encoding Variation:			
Comments : Notification indicator information element			
Element Name	Element Value	Element Encoding	Comments
noid_i	'00100111'B		
noid_l	'00000001'B		
noid_e3_nd	val		(1)
Detailed Comments : (1) Any value acceptable for the Notification description.			

Structured Type Constraint Declaration			
Constraint Name : c_dss1_RONN1 Structured Type : RONN Derivation Path : Encoding Variation: Comments : Info Element Redirection Number ETS 300 207-1 subclause 7.2.3			
Element Name	Element Value	Element Encoding	Comments
ronn_i	'01110110'B		Identifier
ronn_l	TSO_CALC_NUM_LENGTH(TSP_Nb_D)		Length
ronn_e3_ton	('0000'B, '0001'B, '0010'B)		Type of number
ronn_e3_npi	('0000'B, '0001'B)		Numbering plan identifier
ronn_e4_pi	'100'B		Presentation indicator
ronn_e4_sp	'00000'B		Spare
ronn_e5_nd	TSP_Nb_D		Number digits
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI1b(BCH: BIT7OR8) Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'00000001'B		Length value present
chi_e3_p1	—		Not present
chi_e3_pe	—		Not present
chi_e3_p3	—		Not present
chi_e3_cs	BCH		Channel selection present
chi_e4	—		Not present
chi_e5_ch1	—		Not present
chi_e5_ch2	—		Not present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI2b Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'00000000?'B		Length value present
chi_e3_p1	—		Not present
chi_e3_pe	—		Not present
chi_e3_p3	—		Not present
chi_e3_cs	'1000?0??'B IF_PRESENT		Channel selection present
chi_e4	—		Not present
chi_e5_ch1	—		Not present
chi_e5_ch2	—		Not present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI6b Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'00000001'B		Length value present
chi_e3_p1	—		Not present
chi_e3_pe	—		Not present
chi_e3_p3	—		Not present
chi_e3_cs	'1000?0??'B		Channel selection present
chi_e4	—		Not present
chi_e5_ch1	—		Not present
chi_e5_ch2	—		Not present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI3p Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'000000??'B		Length value present
chi_e3_p1	'1010'B IF_PRESENT		
chi_e3_pe	? IF_PRESENT		
chi_e3_p3	'0??'B IF_PRESENT		
chi_e3_cs	–		Not present
chi_e4	'10000011'B IF_PRESENT		
chi_e5_ch1	'1'B IF_PRESENT		Extension bit present
chi_e5_ch2	? IF_PRESENT		Channel selection present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI5p(BCH: BIT7OR8) Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'00000011'B		Length value present
chi_e3_p1	'1010'B		
chi_e3_pe	'1'B		
chi_e3_p3	'001'B		
chi_e3_cs	–		Not present
chi_e4	'10000011'B		
chi_e5_ch1	'1'B		Extension bit present
chi_e5_ch2	BCH		Channel selection present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHI9p Structured Type : CHI Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
chi_i	'00011000'B		Identifier
chi_l	'00000011'B		Length value present
chi_e3_p1	'1010'B		
chi_e3_pe	'1'B		
chi_e3_p3	'001'B		
chi_e3_cs	–		Not present
chi_e4	'10000011'B		
chi_e5_ch1	'1'B		Extension bit present
chi_e5_ch2	?		Channel selection present
Detailed Comments :			

ASN.1 Type Constraint Declaration	
Constraint Name	: c_CHI1b(BCH:BIT7OR8)
ASN1 Type	: CHI_old
Derivation Path	:
Encoding Variation:	
Comments	: Channel identification for basic access.
Constraint Value	
basic { chi_i '00011000'B, -- Identifier chi_l '00000001'B, -- Length chi_e3_cs BCH -- Channel selection }	
Detailed Comments	: &COMMON_N10

ASN.1 Type Constraint Declaration	
Constraint Name	: c_CHI5p(BCH:BIT7OR8)
ASN1 Type	: CHI_old
Derivation Path	:
Encoding Variation:	
Comments	: Channel identification i.e. for primary rate access, the indicated B-channel in bch_num is preferred.
Constraint Value	
<pre>primary { chi_i '00011000'B, -- Identifier chi_l '00000011'B, -- Length chi_e3_p1 '1010'B, -- First nibble of Channel selection chi_e3_pe '1'B, -- Preferred/Exclusive Bit chi_e3_p3 '001'B, -- Last three bit of Channel selection chi_e4 '10000011'B, -- Channel type chi_e5_ch1 '1'B, chi_e5_ch2 BCH -- Channel number }</pre>	
Detailed Comments : &COMMON_N10	

ASN.1 Type Constraint Declaration			
Constraint Name	: c_COMP01(inv_id: InvokeIDType; oar : BOOLEAN; Index:INTEGER)		
ASN1 Type	: Component		
Derivation Path	:		
Encoding Variation:			
Comments	: Send Component:		
Constraint Value			
cUGCall_Components cUGCall_InvokeComp { invokeID inv_id, -- value for the invoke identifier operation_value localValue 2, -- The value for operation CUGCall argument { oARequested oar, cUGIndex Index } }			
Detailed Comments :			

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEr(COMP: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: A received FIE which can contain several components, but which contains at least "comp"
Constraint Value	
{ informationElementIdentifier '00011100'B, length ?, extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components SUPERSET ({COMP}) } -- field will contain at least one comp	
Detailed Comments	: &COMMON_N09

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEs(comp: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: Send fie which will contain one component "comp". The length of the fie is calculated by the test suite operation TSO_CALC_FIE_LENGTH.
Constraint Value	
{ informationElementIdentifier '00011100'B, length TSO_CALC_FIE_LENGTH(comp), -- c_fIEs length is calculated extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components {comp} } -- field will contain only one comp	
Detailed Comments : &COMMON_N09	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEr_3comp(COMP1: Component; COMP2: Component; COMP3: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: A received FIE which can contain several components, but which contains at least "comp"
Constraint Value	
{ informationElementIdentifier '00011100'B, length ?, extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components SUPERSET ({COMP1, COMP2, COMP3}) } -- field will contain at least one comp	
Detailed Comments : &COMMON_N09	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEs_3comp (comp1: Component; comp2: Component; comp3: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: Send fie which will contain one component "comp". The length of the fie is calculated by the test suite operation TSO_CALC_FIE_LENGTH.
Constraint Value	
<pre> { informationElementIdentifier '00011100'B, length INT_TO_BIT(BIT_TO_INT(TSO_CALC_FIE_LENGTH(comp1))+BIT_TO_INT(TSO_CALC_FIE_LENGTH(comp2))+BIT_TO_INT(TSO_CALC_FIE_LENGTH(comp3)),8), -- c_fIEs length is calculated extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components {comp1, comp2, comp3} } -- field will contain only one comp </pre>	
Detailed Comments : &COMMON_N09	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEr_2comp(COMP1: Component; COMP2: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: A received FIE which can contain several components, but which contains at least "comp"
Constraint Value	
{ informationElementIdentifier '00011100'B, length ?, extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components SUPERSET ({COMP1, COMP2}) } -- field will contain at least one comp	
Detailed Comments	: &COMMON_N09

ASN.1 Type Constraint Declaration	
Constraint Name	: c_fIEs_2comp (comp1: Component; comp2: Component)
ASN1 Type	: FIE
Derivation Path	:
Encoding Variation:	
Comments	: Send fie which will contain one component "comp". The length of the fie is calculated by the test suite operation TSO_CALC_FIE_LENGTH.
Constraint Value	
<pre>{ informationElementIdentifier '00011100'B, length INT_TO_BIT(BIT_TO_INT(TSO_CALC_FIE_LENGTH(comp1))+BIT_TO_INT(TSO_CALC_FIE_LENGTH(comp2)),8), -- c_fIEs length is calculated extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components {comp1, comp2}} -- field will contain only one comp</pre>	
Detailed Comments	: &COMMON_N09

ASN.1 Type Constraint Declaration		
Constraint Name	: c_ADDInv(INV_ID : InvokeIDType ; CONF_ID : ConferenceId)	
ASN1 Type	: Component	
Derivation Path	:	
Encoding Variation:		
Comments	: ASN1_Encoding: BER Send Component: AddCONF invoke component.	
Constraint Value		
addCONF_Components addCONF_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 41, -- The value for operation argument CONF_ID -- ConferenceID (constraint parameter) }		
Detailed Comments :		

ASN.1 Type Constraint Declaration	
Constraint Name	: c_ADDrr(INV_ID : InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Receive Component: AddCONF return result component.
Constraint Value	
<pre>addCONF_Components addCONF_ReturnResultComp { invokeID INV_ID, -- the invoke identifier valueAndResult { operation_value localValue 41, result ? } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration			
Constraint Name	: c_REAinv(INV_ID : InvokeIDType ; PARTY_ID : PartyId)		
ASN1 Type	: Component		
Derivation Path	:		
Encoding Variation:			
Comments	: ASN1_Encoding: BER Send Component: ReattachCONF invoke component.		
Constraint Value			
reattachCONF_Components reattachCONF_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 45, -- The value for operation argument PARTY_ID -- PartyID (constraint parameter) }			
Detailed Comments :			

ASN.1 Type Constraint Declaration			
Constraint Name	: c_SPLInv(INV_ID : InvokeIDType ; CONF_ID : Conferenceld ; PARTY_ID : PartyId)		
ASN1 Type	: Component		
Derivation Path	:		
Encoding Variation:			
Comments	: Send Component: SplitCONF invoke component.		
Constraint Value			
<pre>splitCONF_Components splitCONF_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 42, -- The value for operation argument {conferenceld CONF_ID, -- Conferenceld (constraint parameter) partyId PARTY_ID -- PartyID (constraint parameter) } }</pre>			
Detailed Comments :			

ASN.1 Type Constraint Declaration	
Constraint Name	: c_SPLrr(INV_ID : InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Receive Component: SplitCONF return result component.
Constraint Value	
splitCONF_Components splitCONF_ReturnResultComp {invokeID INV_ID -- the invoke identifier }	
Detailed Comments :	

ASN.1 Type Constraint Declaration			
Constraint Name	: c_DROinv(INV_ID : InvokeIDType ; PARTY_ID : PartyId)		
ASN1 Type	: Component		
Derivation Path	:		
Encoding Variation:			
Comments	: ASN1_Encoding: BER Send Component: DropCONF invoke component.		
Constraint Value			
dropCONF_Components dropCONF_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 43, -- The value for operation argument PARTY_ID -- PartyID (constraint parameter) }			
Detailed Comments :			

ASN.1 Type Constraint Declaration			
Constraint Name	: c_ISOinv(INV_ID : InvokeIDType ; PARTY_ID : PartyId)		
ASN1 Type	: Component		
Derivation Path	:		
Encoding Variation:			
Comments	: ASN1_Encoding: BER Send Component: IsolateCONF invoke component.		
Constraint Value			
isolateCONF_Components			
isolateCONF_InvokeComp			
{invokeID	INV_ID,	-- the invoke identifier	
operation_value	localValue	44,	-- The value for operation
argument	PARTY_ID	-- PartyID (constraint parameter)	
}			
Detailed Comments :			

ASN.1 Type Constraint Declaration	
Constraint Name	: c_PARinv(PARTY_ID : PartyId)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Receive Component: PartyDISC invoke component.
Constraint Value	
partyDISC_Components partyDISC_InvokeComp {invokeID ? , -- the invoke identifier operation_value localValue 46, -- The value for operation argument PARTY_ID -- PartyID (constraint parameter) }	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_BEG1inv(INV_ID : InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Send Component: BeginCONF invoke component without ConfSize parameter
Constraint Value	
<pre>beginCONF_Components beginCONF_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 40, -- The value for operation argument - }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_BEG1rr(INV_ID : InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Receive Component: BeginCONF return result component – received when conf is begun from Null Call State (no need to include PartyId).
Constraint Value	
<pre>beginCONF_Components beginCONF_ReturnResultComp {invokeID INV_ID, -- the invoke identifier valueAndResult {operation_value localValue 40, result {conferenceld ?, partyId * } } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_BegPTY3inv(INV_ID: InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Send Component: BeginPTY3 invoke component
Constraint Value	
beginPTY3_Components beginPTY3_InvokeComp {invokeID INV_ID, -- value for the invoke identifier operation_value localValue 4 }	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_EndPTY3inv(INV_ID: InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Send Component: EndPTY3 invoke component
Constraint Value	
endPTY3_Components endPTY3_InvokeComp {invokeID INV_ID, operation_value localValue 5 }	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_UUS_return_error (INV_ID : InvokeIDType ; ERROR_ID : Error)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Send&Receive Component: UUS return error component
Constraint Value	
userUserService_Components userUserService_ReturnErrorComp {invokeID INV_ID, -- the invoke identifier error ERROR_ID -- the error value }	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_UUS_invokeComp_service_preferred_s (INV_ID : InvokeIDType ; SERVICE : INTEGER ; PREF_REQ : BOOLEAN)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Send Component: UUS invoke component, with the service number and preferred/required value given as parameter.
Constraint Value	
<pre>userUserService_Components userUserService_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 1, -- The value for operation argument { service SERVICE, preferred PREF_REQ } } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_UUS_invokeComp_service_preferred_r_invID (INV_ID : InvokeIDType; SERVICE : INTEGER ; PREF_REQ : BOOLEAN)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: ASN1_Encoding: BER Receive Component: UUS invoke component, with the service number and preferred/required value given as parameter.
Constraint Value	
<pre> userUserService_Components userUserService_InvokeComp {invokeID INV_ID, -- the invoke identifier operation_value localValue 1, -- The value for operation argument { service SERVICE, preferred PREF_REQ } } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_CCBSCall_invoke (INV_ID : InvokeIDType; CCBS_REF : CCBSReference)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Send Component: CCBSCall Invoke component
Constraint Value	
<pre>cCBSCall_Components cCBSCall_InvokeComp { invokeID INV_ID, -- the invoke identifier operation_value globalValue { cCBSCall }, -- The value for operation argument CCBS_REF }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_CCBSRequest_return_result (INV_ID: InvokeIDType)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Send/Receive Component: CCBSRequest Return Result component
Constraint Value	
<pre>cCBSRequest_Components cCBSRequest_ReturnResultComp { invokeID INV_ID, -- the invoke identifier valueAndResult { operation_value globalValue { cCBSRequest }, -- The value for operation result { recallMode TCV_recall_mode , -- (1) cCBSReference ? } } }</pre>	
Detailed Comments : (1) TCV_recall_mode is a TS_Constant which contains the value of the TS_parameter PX_RECALL_MODE.	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_CCBSStatusRequest_ReturnResult (INV_ID: InvokeIDType; RESULT : BOOLEAN)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Receive/send Component: CCBSStatusRequest ReturnResult component
Constraint Value	
<pre>cCBSStatusRequest_Components cCBSStatusRequest_ReturnResultComp { invokeID INV_ID , -- the invoke identifier valueAndResult { operation_value globalValue { cCBSStatusRequest }, result RESULT } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_r_CCBSStatusRequest_invoke (CCBS_REF: CCBSReference)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Receive Component: CCBSStatusRequest Invoke component
Constraint Value	
<pre>cCBSStatusRequest_Components cCBSStatusRequest_InvokeComp { invokeID ?, -- the invoke identifier operation_value globalValue { cCBSStatusRequest }, -- The value for operation argument { recallMode TCV_recall_mode, -- (1) cCBSSReference CCBS_REF, q931InfoElement ? } }</pre>	
Detailed Comments : (1) TCV_recall_mode is a TS_Constant which contains the value of the TS_parameter PX_RECALL_MODE.	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_r_CCBSRemoteUserFree_invoke (CCBS_REF: CCBSReference)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Receive Component: CCBSRemoteUserFree Invoke component
Constraint Value	
<pre>cCBSRemoteUserFree_Components cCBSRemoteUserFree_InvokeComp { invokeID ?, -- the invoke identifier operation_value globalValue { cCBSRemoteUserFree }, -- The value for operation argument { recallMode TCV_recall_mode , cCBSReference CCBS_REF , addressOfB { partyNumber ? , partySubaddress * }, q931InfoElement ? } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: c_Component_s_CCBSRequest_invoke (INV_ID : InvokeIDType; LINK_ID : CallLinkageID)
ASN1 Type	: Component
Derivation Path	:
Encoding Variation:	
Comments	: Send Component: CCBSRequest Invoke component
Constraint Value	
<pre>cCBSRequest_Components cCBSRequest_InvokeComp { invokeID INV_ID, -- the invoke identifier operation_value globalValue { cCBSRequest }, -- The value for operation argument LINK_ID -- value assigned in dynamic part }</pre>	
Detailed Comments :	

ASP Constraint Declaration		
Constraint Name : ACM_AB(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_GenNot(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_GenNot(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_NO_GenNot(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_no_GenNot(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_NO_UUInd(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_no_UUInd(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_RnNbRes(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_RnNbRes(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_UUInd(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_UUInd(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_UUInd_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_UUInd_UUInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AB_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_acm_UUInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_CDInf_GenNot_RnNb(CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_CDInf_GenNot_RnNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_RnNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_CHInf(CICnr: BIT_12; CHistInf:OCT_2) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_CHInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, CHistInf)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_GenNot(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_GenNot(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_OBCI(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_OBCI(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_RnNbRes(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_RnNbRes(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_UUInd(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_UUInd(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_UUInd_UUInf(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_UUInd_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_BA_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_acm_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_CDInf_GenNot_NO_RnNb(CICnr: BIT_12) ASP Type : ACM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_CDInf_GenNot_NO_RnNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_CDInf_GenNot_RnNb(CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ACM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_CDInf_GenNot_RnNb(TSP_SPC, TSP_SPA_L, CICnr, val_RnNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_GenNot(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_GenNot(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_OBCI(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_OBCI(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_RnNbRes(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_RnNbRes(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_UUInd(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_UUInd(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_UUInd_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_UUInd_UUInf(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_AC_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_acm_UUInf(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_CA(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_acm(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_CA_UUInd(CICnr: BIT_12) ASP Type : ACM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_acm_UUInd(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_CA_UUInd_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_acm_UUInd_UUInf(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ACM_CA_UUInf(CICnr: BIT_12)		
ASP Type : ACM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_acm_UUInf(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ATP_ConNb_AdSg(CICnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ATP_ConNb_AdSg(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, val_sub, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ATP_ConNb(CICnr: BIT_12; val_sub:OCT_N) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ATP_ConNb(TSP_SPB, TSP_SPA_R, CICnr, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ATP_ConNb_GenNb(CICnr: BIT_12; val_sub:OCT_N) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ATP_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, TSP_Nb_C_default, addCgPN, TSP_GenNb_C, val_sub, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ConNb(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ConNb(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ConNb_AdSg(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ConNb_AdSg(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ConNb_APRI2(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ConNb_APRI2(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ConNb_GenNb(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, TSP_Nb_C_default, addConNb, TSP_GenNb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N ; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_RnNbRes(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_RnNbRes(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_UUInd_UUInf(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_UUInd_UUInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_UUInd(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_UUInd(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AB_UUInf(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_anm_UUInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA(CICnr: BIT_12) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_ATP_ConNb(CICnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_ATP_ConNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ConNb, val_sub, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_ConNb(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_ConNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_ConNb_GenNb(CICnr: BIT_12; val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_ConNb_GenNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_B_default, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_ConNb_GenNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_UUInd_UUInf(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_UUInd_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_UUInd(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_UUInd(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_BA_UUInf(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_anm_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_ConNb(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_ConNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_ConNb_AdSg(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_ConNb_AdSg(TSP_SPC, TSP_SPA_L, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_ConNb_APRI2(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_ConNb_APRI2(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_ConNb_GenNb(TSP_SPC, TSP_SPA_L, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_NO_ConNb(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_no_ConNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_NO_GenNb(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_no_GenNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_RnNbRes_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_RnNbRes_ConNb_GenNb(TSP_SPC, TSP_SPA_L, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_RnNbRes(CICnr: BIT_12) ASP Type : ANM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_RnNbRes(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_UUInd(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_UUInd(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_AC_UUInf(CICnr: BIT_12)		
ASP Type : ANM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_anm_UUInf(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA(CICnr: BIT_12) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_ConNb(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_ConNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_ConNb_AdSg(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_ConNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_ConNb_GenNb(CICnr: BIT_12; val_GenNb:HEX_N) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_ConNb_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_C_default, addConNb, val_GenNb, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_ConNb_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_UUInd(CICnr: BIT_12) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_UUInd(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : ANM_CA_UUInf(CICnr: BIT_12) ASP Type : ANM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_anm_UUInf(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : BLA_BA(CICnr: BIT_12) ASP Type : BLA_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_bla(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : BLA_CA(CICnr: BIT_12) ASP Type : BLA_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_bla(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : BLO_AB(CICnr: BIT_12) ASP Type : BLO_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_blo(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : BLO_AC(CICnr: BIT_12) ASP Type : BLO_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_blo(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CFN_CA(CICnr: BIT_12) ASP Type : CFN_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_cfn(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ATP_ConNb_AdSg(CICnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ATP_ConNb_AdSg(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, val_sub, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ATP_ConNb_GenNb(CICnr: BIT_12; val_sub:OCT_N) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ATP_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, TSP_Nb_C_default, addCgPN, TSP_GenNb_C, val_sub, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ATP_ConNb(CICnr: BIT_12; val_sub:OCT_N) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ATP_ConNb(TSP_SPB, TSP_SPA_R, CICnr, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ConNb(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ConNb(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ConNb_AdSg(CICnr: BIT_12; val_ConNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ConNb_AdSg(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ConNb_APRI2(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ConNb_APRI2(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ConNb_GenNb(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, TSP_Nb_C_default, addConNb, TSP_GenNb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_ConNb_GenNb(TSP_SPB, TSP_SPA_R, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_RnNbRes(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_RnNbRes(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AB_UUInd(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_con_UUInd(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_BA_ConNb(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_con_ConNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_BA_ConNb_GenNb(CICnr: BIT_12; val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_R) s_con_ConNb_GenNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_B_default, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_BA_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_R) s_con_ConNb_GenNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_BA_RnNbRes(CICnr: BIT_12) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_con_RnNbRes(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_ConNb(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_ConNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_ConNb_AdSg(CICnr: BIT_12; val_ConNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_ConNb_AdSg(TSP_SPC, TSP_SPA_L, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_ConNb_APRI2(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_ConNb_APRI2(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_ConNb_GenNb(TSP_SPC, TSP_SPA_L, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_NO_ConNb(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_no_ConNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_AC_NO_GenNb(CICnr: BIT_12) ASP Type : CON_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_con_no_GenNb(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_CA_ConNb(CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_con_ConNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ConNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CON_CA_ConNb_GenNb_AdSg(CICnr: BIT_12; val_ConNb,val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CON_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_con_ConNb_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ConNb, addConNb, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AB(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot, ServAct and CTNb.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_CTNb(CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_CTNb(TSP_SPB, TSP_SPA_R, CICnr, val_CTNb, val_NatAdrl)	1.
Detailed Comments : 1. CPG (progress) with GenNot, ServAct and CTNb.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_CTNb_Cmplnf(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_CTNb_Cmplnf(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot, ServAct and CTNb with specific ParCmp.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_GenNot(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_GenNot(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_GenNot_anyCIC ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_GenNot_anyCIC(TSP_SPB, TSP_SPA_R)	1.
Detailed Comments : 1. CPG (progress) with GenNot, any CIC		

ASP Constraint Declaration		
Constraint Name : CPG_AB_GenNot_Cmplnf(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_GenNot_Cmplnf(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot and ParCmp.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_GenNot_ServAct(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_GenNot_ServAct(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_NO_CTNb(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_no_CTNb(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. CPG (progress) with GenNot, ServAct and without CTNb.		

ASP Constraint Declaration		
Constraint Name : CPG_AB_RnNbRes(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_RnNbRes(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AB_UUInd(CICnr: BIT_12)		
ASP Type : CPG_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_cpg_UUInd(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA(CICnr: BIT_12)		
ASP Type : CPG_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA_CDInf_GenNot(CICnr: BIT_12) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg_CDInf_GenNot(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA_CDInf_GenNot_RnNb(CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg_CDInf_GenNot_RnNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_RnNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA_CDInf_GenNot_RnNb_RnNbRes(CICnr: BIT_12; val_RnNb:HEX_N) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg_CDInf_GenNot_RnNb_RnNbRes(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_RnNb, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA_GenNot(CICnr: BIT_12) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg_GenNot(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_BA_RnNbRes(CICnr: BIT_12) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_cpg_RnNbRes(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AC(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AC_CDInf_GenNot_RnNb(CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg_CDInf_GenNot_RnNb(TSP_SPC, TSP_SPA_L, CICnr, val_RnNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AC_CDInf_GenNot_RnNb_RnNbRes(CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg_CDInf_GenNot_RnNb_RnNbRes(TSP_SPC, TSP_SPA_L, CICnr, val_RnNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AC_GenNot(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg_GenNot(TSP_SPC, TSP_SPA_L, CICnr)	1.
Detailed Comments : 1. CPG (progress) with generic notification.		

ASP Constraint Declaration		
Constraint Name : CPG_AC_NO_RnNbRes(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg_no_RnNbRes(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_AC_RnNbRes(CICnr: BIT_12) ASP Type : CPG_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_cpg_RnNbRes(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CPG_CA_CTNb(CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_cpg_CTNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CTNb, val_NatAdrl)	1.
Detailed Comments : 1. CPG (progress) with GenNot, ServAct and CTNb.		

ASP Constraint Declaration		
Constraint Name : CPG_CA_GenNot(CICnr: BIT_12) ASP Type : CPG_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_cpg_GenNot(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AB(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AB_ATP(CICnr: BIT_12; val_ATP:OCT_N) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_ATP(TSP_SPB, TSP_SPA_R, CICnr, val_ATP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AB_CmplInf(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_CmplInf(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. FAC with GenNot, ServAct and CTNb with specific MsgCmp.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_CTNb(CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_CTNb(TSP_SPB, TSP_SPA_R, CICnr, val_CTNb, val_NatAdrl)	1.
Detailed Comments : 1. FAC with CTNb, GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_CTNb_Cmplnf(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_CTNb_Cmplnf(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. FAC with GenNot, ServAct and CTNb with specific ParCmp.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_GenNot(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_GenNot(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. Facility message with generic notification.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_GenNot_Cmplnf(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_GenNot_Cmplnf(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. Facility message with generic notification and ParCmp.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_GenNot_ServAct(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_GenNot_ServAct(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. FAC with GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_NO_CTNb(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_no_CTNb(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. FAC with GenNot and ServAct, but without CtNb.		

ASP Constraint Declaration		
Constraint Name : FAC_AB_ServAct_CmplInf(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_fac_GenNot_ServAct(TSP_SPB, TSP_SPA_R, CICnr)	1.
Detailed Comments : 1. FAC with GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_BA_ATP(CICnr: BIT_12; val_ATP:OCT_N) ASP Type : FAC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_fac_ATP(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_ATP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_BA_GenNot(CICnr: BIT_12) ASP Type : FAC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_fac_GenNot(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AC(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_fac(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AC_ATP(CICnr: BIT_12; val_ATP:OCT_N) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_fac_ATP(TSP_SPC, TSP_SPA_L, CICnr, val_ATP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_AC_CTNb(CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_fac_CTNb(TSP_SPC, TSP_SPA_L, CICnr, val_CTNb, val_NatAdrl)	1.
Detailed Comments : 1. FAC with CTNb, GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_AC_GenNot(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_fac_GenNot(TSP_SPC, TSP_SPA_L, CICnr)	1.
Detailed Comments : 1. Facility message with generic notification.		

ASP Constraint Declaration		
Constraint Name : FAC_AC_GenNot_ServAct(CICnr: BIT_12) ASP Type : FAC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_fac_GenNot_ServAct(TSP_SPC, TSP_SPA_L, CICnr)	1.
Detailed Comments : 1. FAC with GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_CA_ATP(CICnr: BIT_12; val_ATP:OCT_N) ASP Type : FAC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_fac_ATP(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_ATP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAC_CA_CTNb(CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : FAC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_fac_CTNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CTNb, val_NatAdrl)	1.
Detailed Comments : 1. FAC with CTNb, GenNot and ServAct.		

ASP Constraint Declaration		
Constraint Name : FAC_CA_GenNot(CICnr: BIT_12) ASP Type : FAC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_fac_GenNot(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAA_AB(CICnr: BIT_12) ASP Type : FAA_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_faa(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAR_AB(CICnr: BIT_12) ASP Type : FAR_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_far(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAR_BA(CICnr: BIT_12) ASP Type : FAR_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_far(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAR_AC(CICnr: BIT_12) ASP Type : FAR_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_far(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAR_CA(CICnr: BIT_12) ASP Type : FAR_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_far(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FAA_BA(CICnr: BIT_12)		
ASP Type : FAA_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_faa(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FRJ_AB(CICnr: BIT_12)		
ASP Type : FRJ_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_frj(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FRJ_BA(CICnr: BIT_12)		
ASP Type : FRJ_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_frj(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FRJ_AC(CICnr: BIT_12)		
ASP Type : FRJ_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_frj(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : FRJ_CA(CICnr: BIT_12)		
ASP Type : FRJ_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_frj(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_any ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_any(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_ATP_CdPN(val_sub:OCT_N) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_ATP_CdPN(TSP_SPB, TSP_SPA_R, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_ATP_CdPN_USI_USIp ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_ATP_CdPN_USI_USIp(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_ATP_CgPN_UUInd_OFCl(val_sub:OCT_N) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_ATP_CgPN_UUInd_OFCl(TSP_SPB, TSP_SPA_R, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_ATP_CgPN(val_sub:OCT_N) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_ATP_CgPN(TSP_SPB, TSP_SPA_R, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_ATP_CgPN_GenNb(val_sub:OCT_N) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_ATP_CgPN_GenNb(TSP_SPB, TSP_SPA_R, TSP_Nb_C_default, addCgPN, TSP_GenNb_C, val_sub, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CCSSpar		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CCSSpar(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CCSSpar_UUInf		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CCSSpar_UUInf(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CCSSpar_ParCmp		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CCSSpar_ParCmp(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN_AdSg(val_CgPN:HEX_N; val_NatAdrl:BIT_7)		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN_AdSg(TSP_SPB, TSP_SPA_R, val_CgPN, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN_APRI2		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN_APRI2(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN_GenNb ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN_GenNb(TSP_SPB, TSP_SPA_R, TSP_Nb_C_default, addCgPN, TSP_GenNb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN_GenNb_AdSg (val_CgPN, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN_GenNb(TSP_SPB, TSP_SPA_R, val_CgPN, addCgPN, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_CgPN_RgNb_RnInf_OriCdNb_GenNb ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_CgPN_RgNb_RnInf_OriCdNb_GenNb(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_NO_ATP ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_no_ATP(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_NO_CgPN		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_no_CgPN(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_NO_OFCl		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_no_OFCl(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_OFCl		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_OFCl(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_OFCl_CUGIC		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_OFCl_CUGIC(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_PDC ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_PDC(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf_NO_OriCdNb		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf_NO_OriCdNb(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf_NO_RgNb		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf_NO_RgNb(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf_OriCdNb(val_OriCdNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf_OriCdNb_AdSg(TSP_SPB, TSP_SPA_R, val_OriCdNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf_OriCdNb_RgNb(val_OriCdNb, val_RgNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf_OriCdNb_RgNb_AdSg(TSP_SPB , TSP_SPA_R, val_OriCdNb, val_RgNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_RnInf_RgNb(val_RgNb: HEX_N; val_NatAdrl:BIT_7)		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_RnInf_RgNb_AdSg(TSP_SPB, TSP_SPA_R, val_RgNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_UUInd_UUInf		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_UUInd_UUInf(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_UUInd		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_UUInd(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AB_UUInf		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_iam_UUInf(TSP_SPB, TSP_SPA_R)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_ATP_CdPN(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_ATP_CdPN(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C, TSP_Sub_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CCSSpar(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CCSSpar(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_A)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_DDI(CICnr: BIT_12; val_CdPN: HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_CgPN_GenNb(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CgPN_GenNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN, TSP_Nb_B, addConNb, TSP_GenNb_B, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_CUGIC(CICnr: BIT_12; val_CdPN:HEX_N)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CUGIC(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_OFCl(CICnr: BIT_12; val_CdPN:HEX_N)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_OFCl(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_OFCl_CUGIC(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_OFCl_CUGIC(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_MSN(CICnr: BIT_12; val_CdPN: HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CgPN_ATP(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CgPN_ATP(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_A, TSP_Nb_B, TSP_Sub_B, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CgPN_DDI(CICnr: BIT_12; val_CgPN: HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CgPN(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_A, val_CgPN, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CgPN_MSN(CICnr: BIT_12; val_CgPN: HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_CgPN(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_A, val_CgPN, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_OFCl(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_OFCl(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_RnInf_OriCdNb_RgNb(CICnr: BIT_12; val_OriCdNb, val_RgNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_RnInf_OriCdNb_RgNb(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_A, val_OriCdNb, val_RgNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_UUInd(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInd(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_UUInd(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInd(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_UUInd_UUInf(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInd_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_UUInd_UUInf(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInd_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_UUInf(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Nb_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_BA_CdPN_UUInf(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_iam_UUInf(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_any		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_any(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_NO_OFICI		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_no_OFICI(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_OFCl ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_OFCl(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_UUInd ASP Type : IAM_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_UUInd(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_UUInd_UUInf		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_UUInd_UUInf(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_AC_UUInf		
ASP Type : IAM_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_iam_UUInf(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_ATP_CdPN(CICnr: BIT_12; val_CdPN:HEX_N; val_sub:OCT_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_ATP_CdPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_ATP_CdPN_CgPN(CICnr: BIT_12; val_CdPN, val_CgPN:HEX_N; val_sub:OCT_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_ATP_CdPN_CgPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN, val_CgPN, val_sub, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CCSSpar(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CCSSpar(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CdPN(CICnr: BIT_12; val_CdPN:HEX_N)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CdPN_CgPN(CICnr: BIT_12; val_CdPN:HEX_N)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN, TSP_Nb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CdPN_CgPN_GenNb(CICnr: BIT_12; val_CdPN:HEX_N; val_CgPN:HEX_N; val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN, val_CgPN, addCgPN, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CdPN_OFCl_CUGIC(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_OFCl_CUGIC(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CdPN_UUInd(CICnr: BIT_12; val_CdPN:HEX_N)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_UUInd(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN(CICnr: BIT_12)		
ASP Type : IAM_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B, TSP_Nb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN_AdSg(CICnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B, val_CgPN, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN_APRI2(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN_APRI2(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN_GenNb(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B, TSP_Nb_C_default, addCgPN, TSP_GenNb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN_GenNb_APRI2(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN_GenNb_APRI2(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B, addCgPN, TSP_GenNb_C, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_CgPN_GenNb_AdSg(CICnr: BIT_12; val_CgPN, val_GenNb:HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_CgPN_GenNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B, val_CgPN, addCgPN, val_GenNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_OFCl(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_OFCl(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_OFCl_CUGIC(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_OFCl_CUGIC(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_PDC(CICnr: BIT_12; val_CdPN:HEX_N) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_PDC(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CdPN)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_RnInf_OriCdNb(CiCnr:BIT_12; val_OriCdNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_RnInf_OriCdNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L,CiCnr, TSP_Nb_B, val_OriCdNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_RnInf_OriCdNb_APRI2(CiCnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_RnInf_OriCdNb_APRI2(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CiCnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_RnInf_OriCdNb_RgNb(CICnr:BIT_12; val_OriCdNb, val_RgNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_RnInf_OriCdNb_RgNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L,CICnr, TSP_Nb_B, val_OriCdNb, val_RgNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_RnInf_RgNb(CICnr:BIT_12; val_RgNb: HEX_N; val_NatAdrl:BIT_7) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_RnInf_RgNb(TSP_SPA_L, TSP_SPC, TSP_SLS_L,CICnr, TSP_Nb_B, val_RgNb, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_RnInf_RgNb_APRI2(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_RnInf_RgNb_APRI2(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_UUInd(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_UUInd(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_UUInd_UUInf(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_UUInd_UUInf(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IAM_CA_UUInf(CICnr: BIT_12) ASP Type : IAM_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_iam_UUInf(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Nb_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IDR_AB(CICnr: BIT_12)		
ASP Type : IDR_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_idr(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IDR_AB_Cmplnf(CICnr: BIT_12)		
ASP Type : IDR_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_idr_Cmplnf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IDR_BA(CICnr: BIT_12) ASP Type : IDR_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_idr(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IDR_AC(CICnr: BIT_12) ASP Type : IDR_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_idr(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_ATP_CgPN(CICnr: BIT_12; val_sub:OCT_N) ASP Type : IRS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_ATP_CgPN(TSP_SPB, TSP_SPA_R, CICnr, val_sub)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_CgPN(CICnr: BIT_12) ASP Type : IRS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_CgPN(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_CgPN_AdSg(CICnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7)		
ASP Type : IRS_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_CgPN_AdSg(TSP_SPB, TSP_SPA_R, CICnr, val_CgPN, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_CgPN_AdSg_avail(CICnr: BIT_12)		
ASP Type : IRS_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_CgPN_AdSg_avail(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_CmplInf(CICnr: BIT_12) ASP Type : IRS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_CmplInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_GenNb(CICnr: BIT_12) ASP Type : IRS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_GenNb(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB_NO_MCID(CICnr: BIT_12) ASP Type : IRS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs_no_MCID(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_BA(CICnr: BIT_12) ASP Type : IRS_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_irs(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_BA_CgPN_DDI(CICnr: BIT_12; val_CgPN:HEX_N)		
ASP Type : IRS_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_irs_ext(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CgPN, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_BA_CgPN_MSN(CICnr: BIT_12; val_CgPN:HEX_N)		
ASP Type : IRS_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_irs_ext(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CgPN, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_BA_NO_MCID(CICnr: BIT_12)		
ASP Type : IRS_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_irs_no_MCID(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_CA(CICnr: BIT_12)		
ASP Type : IRS_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_irs(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, national)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_CA_CgPN(CICnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7) ASP Type : IRS_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_irs_CgPN(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CgPN, val_NatAdrl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_CA_NO_MCID(CICnr: BIT_12) ASP Type : IRS_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_irs_no_MCID(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : IRS_AB(CICnr: BIT_12)		
ASP Type : IRS_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_irs(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_AB(CICnr: BIT_12)		
ASP Type : LOP_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_lop(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_AB_CmplInf(CICnr: BIT_12) ASP Type : LOP_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_lop_CmplInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_AB_CTRef_CmplInf(CICnr: BIT_12) ASP Type : LOP_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_lop_CTRef_CmplInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_AB_LOPlc_CmplInf(CICnr: BIT_12)		
ASP Type : LOP_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_lop_LOPlc_CmplInf(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_BA(CICnr: BIT_12)		
ASP Type : LOP_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_lop(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_BA_CTRef(CICnr: BIT_12; val_CTId:OCT_1; val_Type:BIT_1; val_Rspl:BIT_2) ASP Type : LOP_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_lop_CTRef(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, val_CTId, val_Type, val_Rspl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_AC(CICnr: BIT_12) ASP Type : LOP_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_lop(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_CA(CICnr: BIT_12) ASP Type : LOP_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_lop(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : LOP_CA_CTRef(CICnr: BIT_12; val_CTId:OCT_1; val_Type:BIT_1; val_Rspl:BIT_2) ASP Type : LOP_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_lop_CTRef(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, val_CTId, val_Type, val_Rspl)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_AB(CICnr: BIT_12)		
ASP Type : REL_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_rel (TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_AB_UUInf(CICnr: BIT_12)		
ASP Type : REL_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_rel_UUInf (TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_BA(CICnr: BIT_12) ASP Type : REL_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_rel (TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_BA_UUInf(CICnr: BIT_12) ASP Type : REL_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_rel_UUInf (TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_AC(CICnr: BIT_12) ASP Type : REL_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_rel (TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_AC_anyCIC ASP Type : REL_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_rel_anyCIC(TSP_SPC, TSP_SPA_L)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_AC_UUInf(CICnr: BIT_12) ASP Type : REL_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_rel_UUInf(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_CA(CICnr: BIT_12) ASP Type : REL_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_rel (TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : REL_CA_Diag(CICnr: BIT_12)		
ASP Type : REL_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_rel_diag (TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RES_AB(CICnr: BIT_12)		
ASP Type : RES_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_res(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RES_BA(CICnr: BIT_12) ASP Type : RES_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_res(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RES_CA(CICnr: BIT_12) ASP Type : RES_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_res(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RLC_AB(CICnr: BIT_12)		
ASP Type : RLC_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_rlc (TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RLC_BA(CICnr: BIT_12)		
ASP Type : RLC_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_rlc (TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RLC_AC(CICnr: BIT_12)		
ASP Type : RLC_TRANSFER_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_rlc (TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RLC_CA(CICnr: BIT_12)		
ASP Type : RLC_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_rlc (TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RSC_AB(CICnr: BIT_12) ASP Type : RSC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_rsc(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RSC_BA(CICnr: BIT_12) ASP Type : RSC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_rsc(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RSC_AC(CICnr: BIT_12) ASP Type : RSC_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_rsc(TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RSC_CA(CICnr: BIT_12) ASP Type : RSC_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_rsc(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : SUS_AB(CICnr: BIT_12) ASP Type : SUS_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) r_sus(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : SUS_BA(CICnr: BIT_12) ASP Type : SUS_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_sus(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : SUS_CA(CICnr: BIT_12)		
ASP Type : SUS_TRANSFER_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_sus(TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ACCESS_RINGING_TONE		
ASP Type : ACCESS_TONE_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
Tone_Type	"Ringing_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ACCESS_RINGING_TONE		
ASP Type : ACCESS_TONE_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
Tone_Type	"Ringing_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ACCESS_COMM_TONE		
ASP Type : ACCESS_TONE_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
Tone_Type	"Communication_Tone"	1
Detailed Comments : Used for checking the communication path of the circuit		

ASP Constraint Declaration		
Constraint Name : R_ACCESS_COMM_TONE		
ASP Type : ACCESS_TONE_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
Tone_Type	"Communication_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_COMM_TONE(CICnr: BIT_12)		
ASP Type : TONE_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
CIC	CICnr	
Tone_Type	"Communication_Tone"	1
Detailed Comments : Used for checking the communication path of the circuit		

ASP Constraint Declaration		
Constraint Name : R_COMM_TONE(CICnr: BIT_12)		
ASP Type : TONE_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
CIC Tone_Type	CICnr "Communication_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_RINGING_TONE(CICnr: BIT_12)		
ASP Type : TONE_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
CIC Tone_Type	CICnr "Ringing_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RINGING_TONE(CICnr: BIT_12)		
ASP Type : TONE_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
CIC Tone_Type	CICnr "Ringing_Tone"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : CHECK_MNT		
ASP Type : MNT_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
Action	?	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Setup message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_INFO		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Information message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_INFO		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Information message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_FACILITY		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Facility message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_FACILITY		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Facility message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Alerting message (normal)"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CONNECT		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Connect message (normal)"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_DISC		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Disconnect message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_DISC		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Disconnect message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Setup message (normal)"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Alerting message (normal)"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CONNECT		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Connect message (normal)"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_IAI		
ASP Type : Non_ISUP_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
non_isup_pdu	"Initial address message with additional information"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CCL		
ASP Type : Non_ISUP_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
non_isup_pdu	"Calling party clear signal"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CCL		
ASP Type : Non_ISUP_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
non_isup_pdu	"Calling party clear signal"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_TUP_ACM		
ASP Type : Non_ISUP_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
non_isup_pdu	"Address complete message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ANC ASP Type : Non_ISUP_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
non_isup_pdu	"Answer signal, charge"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CONF_COMM_TONE(CICnr: BIT_12) ASP Type : TONE_REQ Derivation Path : Comments : Send conference communication tone		
Parameter Name	Parameter Value	Comments
CIC Tone_Type	CICnr "Conference communication tone"	1.
Detailed Comments : 1. Send a tone used for checking the conference propriety of the circuit.		

ASP Constraint Declaration		
Constraint Name : R_CONF_COMM_TONE(CICnr: BIT_12)		
ASP Type : TONE_IND		
Derivation Path :		
Comments : Receive conference communication tone		
Parameter Name	Parameter Value	Comments
CIC Tone_Type	CICnr "Conference communication tone"	1.
Detailed Comments : 1. Receive a tone used for checking the conference propriety of the circuit.		

ASP Constraint Declaration		
Constraint Name : S_SUSPEND		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Suspend the call"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SUSPEND		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Suspend the call"	1.
Detailed Comments : 1. 1. Inform the subscriber that the call has been suspended		

ASP Constraint Declaration		
Constraint Name : S_RESUME		
ASP Type : ACCESS_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Resume the suspended call"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RESUME		
ASP Type : ACCESS_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
access_pdu	"Resume the suspended call"	1.
Detailed Comments : 1. Inform the subscriber that the call has been resumed		

ASP Constraint Declaration		
Constraint Name : R_TC_BEGIN(Instr : PrintableString)		
ASP Type : TCAP_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	" Instr withTCAP begin response message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_TC_BEGIN(Instr : PrintableString)		
ASP Type : TCAP_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	"Instr with TCAP begin request message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_TC_CONTINUE(Instr : PrintableString)		
ASP Type : TCAP_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	"Instr. in TCAP continue response message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_TC_CONTINUE(Instr : PrintableString)		
ASP Type : TCAP_REQ		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	"Instr withTCAP continue request message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_TC_END(Instr : PrintableString)		
ASP Type : TCAP_IND		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	"Instr withTCAP end response message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_TC_END(Instr : PrintableString) ASP Type : TCAP_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
tcap_pdu	"Instr withTCAP end request message"	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : USR_AB(CICnr: BIT_12) ASP Type : USR_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
← isup_pdu	ISUP_SIO(TSP_NI_R) r_usr(TSP_SPB, TSP_SPA_R, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : USR_BA(CICnr: BIT_12) ASP Type : USR_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_R) s_usr(TSP_SPA_R, TSP_SPB, TSP_SLS_R, CICnr, TSP_Sub_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : USR_AC(CICnr: BIT_12) ASP Type : USR_TRANSFER_IND Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) r_usr (TSP_SPC, TSP_SPA_L, CICnr)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : USR_CA(CICnr: BIT_12) ASP Type : USR_TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
<-- isup_pdu	ISUP_SIO(TSP_NI_L) s_usr (TSP_SPA_L, TSP_SPC, TSP_SLS_L, CICnr, TSP_Sub_C)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1_cw ASP Type : DL_DAT_IN_ALERTr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1_CW(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1_cdiv		
ASP Type : DL_DAT_IN_ALERTr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1_CDIV(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1_cdiv_no_rnnb		
ASP Type : DL_DAT_IN_ALERTr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1_CDIV_NO_RNNB(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1_uus(COMP:Component)		
ASP Type : DL_DAT_IN_ALERTr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1_UUS(TSV_CREF1,COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1_uus_comp2(COMP1:Component;COMP2:Component)		
ASP Type : DL_DAT_IN_ALERTr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1_UUS_COMP2(TSV_CREF1,COMP1,COMP2)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_ALERT_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_ALERTr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_alert_DSS1(CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_ALERT		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_alert_DSS1(CALL_REF,TSV_BCHNUM1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT_dss1_cw(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_ALERT		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_alert_DSS1_CW(CALL_REF,TSV_BCHNUM1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT_dss1_uus_comp2(CALL_REF: BIT7OR15;COMP1:Component;COMP2:Component)		
ASP Type : DL_DAT_RQ_ALERT		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_alert_DSS1_UUS_COMP2(CALL_REF,TSV_BCHNUM1,COMP1,COMP2)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT_dss1_uus1(CALL_REF: BIT7OR15;COMP:Component)		
ASP Type : DL_DAT_RQ_ALERT		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_alert_DSS1_UUS1(CALL_REF,TSV_BCHN UM1,COMP)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_ALERT_dss1_uui(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_ALERT		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_alert_DSS1_UUI(CALL_REF,TSV_BCHNU M1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_HOLD_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_hold_DSS1(CALL_REF,TSV_BCHNUM1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_HOLD_dss1		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_hold_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_HOLD_ACK_dss1(CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_HOLD_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_hold_ack_DSS1(CALL_REF,TSV_BCHNU M1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_HOLD_ACK_dss1(CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_HOLD_ACKr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	r_hold_ack_DSS1(CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_RET_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_RET		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_ret_DSS1(CALL_REF,TSV_BCHNUM1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RET_dss1		
ASP Type : DL_DAT_IN_RETr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_ret_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_RET_ACK_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_RET_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_ret_ack_DSS1(CALL_REF,TSV_BCHNUM 1)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RET_ACK_dss1		
ASP Type : DL_DAT_IN_RET_ACKr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_ret_ack_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CALL_PROC_dss1		
ASP Type : DL_DAT_IN_CALL_PROCr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_call_proceeding_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_ACK_dss1		
ASP Type : DL_DAT_IN_CONN_ACKr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_ack_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_ACK_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_ack_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_CONNr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_DSS1(CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_dss1_comp(COMP:Component)		
ASP Type : DL_DAT_IN_CONNr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_DSS1_COMP(TSV_CREF1,COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_dss1_any_connb		
ASP Type : DL_DAT_IN_CONNr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_DSS1_ANY_CONNB(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_dss1_uus(CALL_REF: BIT7OR15;COMP:Component)		
ASP Type : DL_DAT_IN_CONNr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_DSS1_UUS(CALL_REF,COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_CON_dss1_uuinf(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_CONNr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_connect_DSS1_UUINF(CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_with_CN(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_with_CN(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_with_CN_NP(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_with_CN_NP(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_with_MSN(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_with_MSN(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_with_SUB(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_with_SUB(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_with_NP_SUB(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_with_CN_NP(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_uui(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_UUI(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_CON_dss1_uus(CALL_REF: BIT7OR15;COMP:Component)		
ASP Type : DL_DAT_RQ_CONN		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_connect_DSS1_UUS(1,CALL_REF,COMP)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_DISC_dss1_19		
ASP Type : DL_DAT_IN_DISCr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_disconnect_DSS1_cause (TSV_CREF1,19)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_DISC_dss1_102		
ASP Type : DL_DAT_IN_DISCr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_disconnect_DSS1_cause (TSV_CREF1,102)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_DISC_dss1(call_ref: BIT7OR15) ASP Type : DL_DAT_IN_DISCr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	r_disconnect_DSS1(call_ref)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_DISC_dss1(CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_DISC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_disconnect_DSS1(1,TSV_CREF1,16)	Use origin call reference flag hence 1 Use cause 16
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_DISC_dss1_facility(CALL_REF: BIT7OR15;COMP:Component)		
ASP Type : DL_DAT_RQ_DISC		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_disconnect_DSS1_facility(1,CALL_REF,16,COMP)	Use origin call reference flag hence 1 Use cause 16
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_DISC_dss1_29(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_DISC		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_disconnect_DSS1(1,TSV_CREF1,29)	Use origin call reference flag hence 1 Use cause 29
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_FACILITY_dss1		
ASP Type : DL_DAT_IN_FACr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_facility_DSS1(TSV_FLAG_ORIG, TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_FACILITY_dss1_comp(CALL_REF: BIT7OR15 ; COMP:Component)		
ASP Type : DL_DAT_IN_FACr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_facility_DSS1_COMP(TSV_FLAG_ORIG, TSV_CREF1, COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_FACILITY_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_FAC		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_facility_DSS1(TSV_FLAG_ORIG, TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_FACILITY_dss1_comp(CALL_REF: BIT7OR15 ; COMP:Component)		
ASP Type : DL_DAT_RQ_FAC		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_facility_DSS1_COMP(TSV_FLAG_ORIG, CALL_REF,COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_INFO_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_INFor		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_information_DSS1(CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_NOTIFY_dss1(NID:OCTETSTRING)		
ASP Type : DL_DAT_IN_NOTIFYr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_notify_DSS1(TSV_CREF1,NID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_PROG_dss1		
ASP Type : DL_DAT_IN_PROGr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_progress_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_REL_dss1		
ASP Type : DL_DAT_IN_RELr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_release_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_REL_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_REL		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_release_DSS1(1, TSV_CREF1,16)	Use origin call reference flag hence 1 Use cause 16
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_REL_dss1_17(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_REL		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_release_DSS1(1, TSV_CREF1,17)	Use origin call reference flag hence 1 Use cause 17
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_REL_COMP_dss1		
ASP Type : DL_DAT_IN_REL_COMr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_release_comp_DSS1(? , TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_REL_COMP_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_REL_COM		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_release_comp_DSS1(1, TSV_CREF1)	Use origin call reference flag hence 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_RES_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_RES		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_resume_DSS1(1, CALL_REF)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RES_dss1		
ASP Type : DL_DAT_IN_RESr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_resume_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RES_ACK_dss1		
ASP Type : DL_DAT_IN_RES_ACKr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_resume_ack_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_RES_REJ_dss1		
ASP Type : DL_DAT_IN_RES_REJr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_resume_rej_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_STAT_dss1		
ASP Type : DL_DAT_IN_STATUSr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_status_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_STAT_ENQ_dss1		
ASP Type : DL_DAT_IN_ST_ENQr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_status_enquiry_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SUS_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_SUS		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_suspend_DSS1(1, CALL_REF)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SUS_dss1		
ASP Type : DL_DAT_IN_SUSr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_suspend_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SUS_ACK_dss1		
ASP Type : DL_DAT_IN_SUS_ACKr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_suspend_ack_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SUS_REJ_dss1		
ASP Type : DL_DAT_IN_SUS_REJr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_suspend_rej_DSS1(?, TSV_CREF1)	Use any call reference flag hence ?
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP_ACK_dss1 ASP Type : DL_DAT_IN_SETUP_ACKr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	r_setup_ack_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_ACK_dss1(CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_SETUP_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_ack_DSS1(TSV_CREF1)	Use origin call reference flag hence 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP_dss1		
ASP Type : DL_DAT_IN_SETUPr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_setup_DSS1(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP_dss1_comp(COMP:Component)		
ASP Type : DL_DAT_IN_SETUPr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_setup_DSS1_COMP(TSV_CREF1,COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP_dss1_uus		
ASP Type : DL_DAT_IN_SETUPr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_setup_DSS1_UUS(TSV_CREF1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_SETUP_dss1_uus_comp3(COMP1:Component; COMP2:Component; COMP3:Component)		
ASP Type : DL_DAT_IN_SETUPr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_setup_DSS1_UUS_COMP3(TSV_CREF1,C OMP1,COMP2,COMP3)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1,TSP_LIPN1,TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_cd_sub		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_CD_SUB(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1,TSO_HEX_TO_OCTET(TSP _Nb_B), TSP_Sub_B)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uui_comp(comp:Component)		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_COMP(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1,TSP_LIPN1,TSP_IPN1,comp)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_comp(comp:Component)		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_COMP(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1,TSP_LIPN1,TSP_IPN1,comp)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_no_cgpn_sub		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_NO_CGPN_SUB(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_cgpn_upvp		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_CGPN_UPVP(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_cgpn_upvp_sub ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_CGPN_UPVP_SUB(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_gn_upnv ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_GN_UPNV(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_gn_upnv_sub		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_GN_UPNV_SUB(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uuinf		
ASP Type : DL_DAT_RQ_SETUP		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUINF(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, TSP_LIPN1, TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uus1_non_ess ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUS1_NON_ESS(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, c_UUS_invokeComp_service_preferred_r_inv ID(TCV_inv_id, 1, TRUE))	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uus1_ess ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUS1_NON_ESS(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1, c_UUS_invokeComp_service_preferred_s(TC V_inv_id, 1, FALSE))	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uuind ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUIND(TSV_FLAG_ORIG, TSV_CREF1, TSV_BCHNUM1,TSP_LIPN1,TSP_IPN1)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uus2(CALL_REF: BIT7OR15; COMP:Component) ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUS2(TSV_FLAG_ORIG, CALL_REF, TSV_BCHNUM1, COMP)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_SETUP_dss1_uus_comp3(CALL_REF: BIT7OR15; COMP1:Component; COMP2:Component; COMP3:Component) ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_setup_DSS1_UUS_COMP3(TSV_FLAG_O RIG, CALL_REF, TSV_BCHNUM1, COMP1,COMP2,COMP3)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : S_USER_INFO_dss1(CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_UI Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	s_user_info_DSS1(1,CALL_REF)	Send origin flag 1
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : R_USER_INFO_dss1(CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_UIr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	r_user_info_DSS1(?, CALL_REF)	Use any call reference flag hence ?
Detailed Comments :		

ASN.1 ASP Constraint Declaration	
Constraint Name : BEGIN_AB	
ASP Type : TC_BEGIN_IND	
Derivation Path :	
Comments : TCAP –Begin indication constraint with values "ANY"	
Constraint Value	
<pre> { primType ASP_Begin_ind, destAddress ?, origAddress ?, dialogueID ?, componentPresent ? } </pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name :	CONTINUE_BA
ASP Type :	TC_CONTINUE_REQ
Derivation Path :	
Comments :	TCAP –Invoke request constraint for Continue
Constraint Value	
{ primType ASP_Invoke_req, dialogueID TCV_dialogue_ID }	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name :	CONTINUE_AB
ASP Type :	TC_CONTINUE_IND
Derivation Path :	
Comments :	TCAP –Invoke indication constraint for Continue
Constraint Value	
{ primType ASP_Invoke_req, dialogueID TCV_dialogue_ID, componentPresent present }	
Detailed Comments : componets Present indicates a value greater than "null" -> components following	

ASN.1 ASP Constraint Declaration	
Constraint Name :	END_AB
ASP Type :	TC_END_IND
Derivation Path :	
Comments :	TCAP –Begin indication constraint / indicates that no more components for the specified dialogue will be received
Constraint Value	
{ primType ASP_End_ind, dialogueID TCV_dialogue_ID, componentPresent ? }	
Detailed Comments :	

PDU Constraint Declaration			
Constraint Name : r_acm(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ACM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		@
<-	r_s_cic(ClCnr)		
MType	'00000110'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		
Cause	r_Cause_o IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CDInf	r_CDInf IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
ServAct	r_s_ServAct IF_PRESENT		@
RnNbRes	r_RnNbRes IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_acm_CDInf_GenNot_NO_RnNb(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
BCI	r_BCI_m		GenNot and CDInf
GenNot	r_GenNot		
RnNb	–		
ParCmp	r_ParCmp		
CDInf	r_CDInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_CDInf_GenNot_RnNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : ACM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00000110'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
Cause	r_Cause_o IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
GenNot	r_GenNot		
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
RnNb	r_RnNb_AdSg(val_RnNb, val_NatAdrl)		
ParCmp	r_ParCmp		GenNot and CDInf

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CDInf	r_CDInf		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
ServAct	r_s_ServAct IF_PRESENT		@
RnNbRes	r_RnNbRes IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_GenNot(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
GenNot	r_GenNot		
ParCmp	r_1ParCmp('0'B,PN_GenNot)		1.
EndOP	'00'O		
Detailed Comments : 1. GenNot, discard			

PDU Constraint Declaration			
Constraint Name : r_acm_RnNbRes(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : ACM			
Derivation Path : r_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_ParCmp		RnNbRes
RnNbRes	r_RnNbRes		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_no_GenNot(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
GenNot	—		
ParCmp	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_OBCI(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
OBCI EndOP	r_OBCI '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_no_UUInd(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_UUInd(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd EndOP	r_UUInd '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_UUInd_UUInf(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ACM Derivation Path : r_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd UUInf EndOP	r_UUInd r_UUInf '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_acm_UUInf(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : ACM			
Derivation Path : r_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf EndOP	r_UUInf '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : ACM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000110'B		
BCI	s_BCI_m		
opt_part_ptr	'00'O		
OBCI	-		
CRef	-		
Cause	-		
UUInd	-		
UUInf	-		
ATP	-		
GenNot	-		
TMU	-		
EchoInf	-		
ADInf	-		
RnNb	-		
ParCmp	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CDInf	—		
NtwFac	—		
RemOp	—		
ServAct	—		
RnNbRes	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm_CDInf_GenNot_NO_RnNb(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : ACM Derivation Path : s_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
GenNot	s_GenNot('1111011'B)		1.
RnNb	–		
ParCmp	s_2ParCmp(PN_GenNot,PN_CDInf)		2.
CDInf	s_CDInf		
EndOP	'00'O		
Detailed Comments : 1. call is diverting 2. GenNot and CDInf			

PDU Constraint Declaration			
Constraint Name : s_acm_CDInf_GenNot_RnNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; var_RnNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : ACM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000110'B		
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	-		
CRef	-		
Cause	-		
UUInd	-		
UUInf	-		
ATP	-		
GenNot	s_GenNot('1111011'B)		1.
TMU	-		
EchoInf	-		
ADInf	-		
RnNb	s_RnNb(var_RnNb, val_NatAdrl)		
ParCmp	s_2ParCmp(PN_GenNot,PN_CDInf)		2.

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CDInf	s_CDInf		
NtwFac	—		
RemOp	—		
ServAct	—		
RnNbRes	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	'00'O		
Detailed Comments : 1. call is diverting 2. GenNot and CDInf			

PDU Constraint Declaration			
Constraint Name : s_acm_GenNot(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : ACM Derivation Path : s_acm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
GenNot	s_GenNot('0000000'B)		1.
ParCmp	s_1ParCmp(PN_GenNot,'0'B)		2.
EndOP	'00'O		
Detailed Comments : 1. has to be set directly, from the top. 2. GenNot, discard			

PDU Constraint Declaration			
Constraint Name : s_acm_OBCI(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : ACM			
Derivation Path : s_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	s_OBCI		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm_RnNbRes(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12)			
PDU Type : ACM			
Derivation Path : s_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		RnNbRes, pass on Presentation allowed
ParCmp	s_1ParCmp(PN_RnNbRes,'0'B)		
RnNbRes	r_s_RnNbRes('00'B)		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm_UUInd(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : ACM			
Derivation Path : s_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	s_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm_UUInd_UUInf(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12)			
PDU Type : ACM			
Derivation Path : s_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	s_UUInd		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_acm_UUInf(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : ACM			
Derivation Path : s_acm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
ATP	r_ATP IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
DisInf	r_DisInf IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_anm_ATP_ConNb_AdSg(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		@
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	r_ATP_sub(val_sub)		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	r_GenNb IF_PRESENT		
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_ATP_ConNb_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8; val_GenNb:HEX_N; val_sub: OCT_N; val_NatAdrl:BIT_7)			
PDU Type : ANM			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	r_ATP_sub(val_sub)		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp		1.
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_anm_ATP_ConNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_sub:OCT_N) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb		
ATP	r_ATP_sub(val_sub)		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_ConNb(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : ANM			
Derivation Path : r_anm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	r_ConNb		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_ConNb_AdSg(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		@
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	r_ATP IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments : .			

PDU Constraint Declaration			
Constraint Name : r_anm_ConNb_APRI2(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	r_ConNb_APRI2		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_ConNb_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8;val_GenNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	r_ATP IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp		1.
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_anm_no_ConNb(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_no_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	–		
GenNb	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_RnNbRes_ConNb_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8;val_GenNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	r_ATP IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ParCmp	r_ParCmp		1
BGVNS	r_BGVNS IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
TMU	r_TMU IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
EchoInf	r_EchoInf IF_PRESENT		
RnNbRes	r_RnNbRes		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_anm_RnNbRes(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_ParCmp		
RnNbRes	r_RnNbRes		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_UUInd(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	r_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_UUInd_UUInf(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	r_UUInd		
UUInf	r_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_anm_UUInf(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : ANM Derivation Path : r_anm. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf	r_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	'00'O		
BCI	-		
OBCI	-		
CRef	-		
UUInd	-		
UUInf	-		
ConNb	-		
ATP	-		
ADInf	-		
GenNot	-		
ParCmp	-		
BGVNS	-		
CHInf	-		
GenNb	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	—		
NtwFac	—		
RemOp	—		
RnNb	—		
ServAct	—		
EchoInf	—		
RnNbRes	—		
DisInf	—		
EndOP	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_ATP_ConNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		
<--	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	—		
OBCI	—		
CRef	—		
UUInd	—		
UUInf	—		
ConNb	s_ConNb(val_ConNb, val_NatAdrl)		
ATP	s_ATP_sub(val_sub)		
ADInf	—		
GenNot	—		
ParCmp	—		
BGVNS	—		
CHInf	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	—		
TMU	—		
NtwFac	—		
RemOp	—		
RnNb	—		
ServAct	—		
EchoInf	—		
RnNbRes	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_CHInf(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; CHistInf: OCT_2) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	-		
OBCI	-		
CRef	-		
UUInd	-		
UUInf	-		
ConNb	-		
ATP	-		
ADInf	-		
GenNot	-		
ParCmp	s_1ParCmp(PN_CHInf,'0'B)		
BGVNS	-		
CHInf	s_CHInf(CHistInf)		
GenNb	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	—		
NtwFac	—		
RemOp	—		
RnNb	—		
ServAct	—		
EchoInf	—		
RnNbRes	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_ConNb(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(CICnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	-		
OBCI	-		
CRef	-		
UUInd	-		
UUInf	-		
ConNb	s_ConNb(val_ConNb, val_NatAdrl)		
ATP	-		
ADInf	-		
GenNot	-		
ParCmp	-		
BGVNS	-		
CHInf	-		
GenNb	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
TMU	—		
NtwFac	—		
RemOp	—		
RnNb	—		
ServAct	—		
EchoInf	—		
RnNbRes	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_ConNb_GenNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_ConNb:HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : ANM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00001001'B		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	-		
OBCI	-		
CRef	-		
UUInd	-		
UUInf	-		
ConNb	s_ConNb_AdSg(val_ConNb, val_NatAdrl)		
ATP	-		
ADInf	-		
GenNot	-		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		1.
BGVNS	-		
CHInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
GenNb	s_GenNb(val_NbQlfl, val_GenNb, val_NatAdrl)		
TMU	—		
NtwFac	—		
RemOp	—		
RnNb	—		
ServAct	—		
EchoInf	—		
RnNbRes	—		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_anm_UUInd(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : ANM			
Derivation Path : s_anm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	s_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_UUInd_UUInf(DPC, OPC: BIT_14; SLS: BIT_4; CiCnr: BIT_12)			
PDU Type : ANM			
Derivation Path : s_anm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	s_UUInd		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_anm_UUInf(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : ANM			
Derivation Path : s_anm.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_bla(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : BLA			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	'00010101'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_bla(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12)			
PDU Type : BLA			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00010101'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_blo(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : BLO			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType	r_Routing_label(DPC, OPC) r_s_cic(CICnr) '00010011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_blo(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12)			
PDU Type : BLO			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00010011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cfn(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : CFN Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType var_part_ptr opt_part_ptr Cause EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00101111'B '02'O '00'O s_Cause_m -		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CHInf	r_CHInf IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_con_ATP_ConNb_AdSg(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb:HEX_N; val_sub:OCT_N; val_natAdrl:BIT_7) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	r_Routing_label(DPC, OPC)		
<--	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_natAdrl)		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		@
CHInf	r_CHInf IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_ATP_ConNb_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8; val_GenNb:HEX_N; val_sub: OCT_N; val_NatAdrl:BIT_7)			
PDU Type : CON			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	r_Routing_label(DPC, OPC)		
<--	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		1. @
CHInf	r_CHInf IF_PRESENT		
ParCmp	r_ParCmp		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_con_ATP_ConNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_sub:OCT_N) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CHInf	r_CHInf IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_ConNb(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : CON			
Derivation Path : r_con.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	r_ConNb		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_ConNb_AdSg(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ADInf	r_ADInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CHInf	r_CHInf IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_ConNb_APRI2(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : CON			
Derivation Path : r_con.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	r_ConNb_APRI2		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_ConNb_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ConNb:HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	r_Routing_label(DPC, OPC)		
<--	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	r_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	r_OBCI IF_PRESENT		
ConNb	r_ConNb_AdSg(val_ConNb, val_NatAdrl)		
CRef	r_CRef IF_PRESENT		@
UUInd	r_UUInd IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenNot	r_GenNot IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		1. @
CHInf	r_CHInf IF_PRESENT		
ParCmp	r_ParCmp		
RnNb	r_RnNb IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
RnNbRes	r_RnNbRes IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_con_no_ConNb(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : CON Derivation Path : r_con. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_no_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CON Derivation Path : r_con. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ConNb	–		
GenNb	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_RnNbRes(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CON Derivation Path : r_con. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_ParCmp		
RnNbRes	r_RnNbRes		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_con_UUInd(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : CON			
Derivation Path : r_con.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	r_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_con(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(CICnr)		
MType	'00000111'B		
BCI	s_BCI_m		
opt_part_ptr	'00'O		
OBCI	-		
ConNb	-		
CRef	-		
UUInd	-		
UUInf	-		
ATP	-		
NtwFac	-		
GenNot	-		
RemOp	-		
TMU	-		
EchoInf	-		
ADInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CHInf	—		
ParCmp	—		
RnNb	—		
ServAct	—		
GenNb	—		
RnNbRes	—		
ConTrInd	—		
EndOP	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_con_ConNb(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_ConNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(CICnr)		
MType	'00000111'B		
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	-		
ConNb	s_ConNb(val_ConNb, val_NatAdrl)		
CRef	-		
UUInd	-		
UUInf	-		
ATP	-		
NtwFac	-		
GenNot	-		
RemOp	-		
TMU	-		
EchoInf	-		
ADInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CHInf	—		
ParCmp	—		
RnNb	—		
ServAct	—		
GenNb	—		
RnNbRes	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_con_ConNb_GenNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : CON Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		
<--	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	—		
ConNb	s_ConNb(val_ConNb, val_NatAdrl)		
CRef	—		
UUInd	—		
UUInf	—		
ATP	—		
NtwFac	—		
GenNot	—		
RemOp	—		
TMU	—		
EchoInf	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	–		1.
CHInf	–		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		
RnNb	–		
ServAct	–		
GenNb	s_GenNb(val_NbQlfl, val_GenNb, val_NatAdrl)		
RnNbRes	–		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_con_RnNbRes_ConNb_GenNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_ConNb: HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7)			
PDU Type : CON			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000111'B		
BCI	s_BCI_m		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	-		
ConNb	s_ConNb(val_ConNb, val_NatAdrl)		
CRef	-		
UUInd	-		
UUInf	-		
ATP	-		
NtwFac	-		
GenNot	-		
RemOp	-		
TMU	-		
EchoInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	–		1.
CHInf	–		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		
RnNb	–		
ServAct	–		
GenNb	s_GenNb(val_NbQlfl, val_GenNb, val_NatAdrl)		
RnNbRes	r_s_RnNbRes(allowed)		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_con_RnNbRes(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : CON			
Derivation Path : s_con.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
RnNbRes	r_s_RnNbRes(allowed)		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	r_Routing_label(DPC, OPC)		
<--	r_s_cic(ClCnr)		
MType	PN_GenNot		
EvInf	r_EvInf		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_o IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
ATP	r_ATP IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
CDInf	r_CDInf IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_cpg_CDInf_GenNot_RnNb(DPC, OPC: BIT_14; CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	PN_GenNot		
EvInf	r_EvInf		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_o IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
BCI	r_BCI_o		
OBCI	r_OBCI IF_PRESENT		
ATP	r_ATP IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
RnNb	r_RnNb_AdSg(val_RnNb, val_NatAdrl)		
UUInf	r_UUInf IF_PRESENT		
GenNot	r_GenNot		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		1.
ParCmp	r_ParCmp		
CDInf	r_CDInf		
RnNbRes	r_RnNbRes IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNot and CDInf			

PDU Constraint Declaration			
Constraint Name : r_cpg_CDInf_GenNot_RnNb_RnNbRes(DPC, OPC: BIT_14; CICnr: BIT_12; val_RnNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	PN_GenNot		
EvInf	r_EvInf		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_o IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
BCI	r_BCI_o		
OBCI	r_OBCI IF_PRESENT		
ATP	r_ATP IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
RnNb	r_RnNb_AdSg(val_RnNb, val_NatAdrl)		
UUInf	r_UUInf IF_PRESENT		
GenNot	r_GenNot		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		1. @
ParCmp	r_ParCmp		
CDInf	r_CDInf		
ServAct	r_s_ServAct IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNot and CDInf			

PDU Constraint Declaration			
Constraint Name : r_cpg_CTNb(DPC, OPC: BIT_14; CICnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	PN_GenNot		
EvInf	r_EvInf_Eventl_02		'progress'
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_o IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
ATP	r_ATP IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
GenNot	r_GenNot		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		
ParCmp	r_ParCmp		
CDInf	r_CDInf IF_PRESENT		
ServAct	r_s_ServAct		
RnNbRes	r_RnNbRes IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_CTNb_Cmplnf(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : CPG			
Derivation Path : r_cpg.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ParCmp	r_1ParCmp('1'B,PN_CTNb)		
ServAct	r_s_ServAct		
CTNb	r_CTNb		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_GenNot(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : CPG			
Derivation Path : r_cpg.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ParCmp	r_ParCmp		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_GenNot_anyCIC(DPC, OPC: BIT_14) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_any		
MType	PN_GenNot		
EvInf	r_EvInf_Eventl_02		'progress'
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_o IF_PRESENT		
CRef	r_CRef IF_PRESENT		@
BCI	r_BCI_o IF_PRESENT		
OBCI	r_OBCI IF_PRESENT		
ATP	r_ATP IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
GenNot	r_GenNot		
NtwFac	r_NtwFac IF_PRESENT		@
RemOp	r_RemOp IF_PRESENT		@
TMU	r_TMU IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	r_ADInf IF_PRESENT		@
ParCmp	r_ParCmp		
CDInf	r_CDInf IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
ConNb	r_ConNb IF_PRESENT		
BGVNS	r_BGVNS IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
CHInf	r_CHInf IF_PRESENT		
ConTrInd	r_ConTrInd IF_PRESENT		
UIDAcInd	r_UIDAcInd IF_PRESENT		
CCNRPosInd	r_CCNR IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_GenNot_CmplInf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CPG Derivation Path : r_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ParCmp	r_1ParCmp('0'B,PN_GenNot)		ParCmp for GenNot
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_GenNot_ServAct(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : CPG			
Derivation Path : r_cpg.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ParCmp	r_ParCmp		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_no_CTNb(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : CPG			
Derivation Path : r_cpg.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ServAct	r_s_ServAct		
CTNb	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_no_RnNbRes(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : CPG			
Derivation Path : r_cpg.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
EvInf	r_EvInf_Eventl_02		'progress'
GenNot	r_GenNot		
ServAct	r_s_ServAct		
RnNbRes	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_RnNbRes(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CPG Derivation Path : r_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_ParCmp		All bits should match
RnNbRes	r_s_RnNbRes('00'B)		All bits should match
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_cpg_UUInd(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : CPG Derivation Path : r_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	r_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(CICnr)		
MType	PN_GenNot		
EvInf	s_EvInf(alerting_inf)		alerting
opt_part_ptr	'01'O		
Cause	-		
CRef	-		
BCI	s_BCI_o		
OBCI	-		
ATP	-		
UUInd	-		
RnNb	-		
UUInf	-		
GenNot	-		
NtwFac	-		
RemOp	-		
TMU	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	—		
ParCmp	—		
CDInf	—		
ServAct	—		
RnNbRes	—		
CTNb	—		
EchoInf	—		
ConNb	—		
BGVNS	—		
GenNb	—		
CHInf	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	'00'O		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : s_cpg_CDInf_GenNot(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : CPG Derivation Path : s_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	—		
CRef	—		
BCI	s_BCI_o		
OBCI	—		
ATP	—		
UUInd	—		
RnNb	—		
UUInf	—		
GenNot	s_GenNot('1111011'B)		call is diverting
NtwFac	—		
RemOp	—		
TMU	—		
ADInf	—		
ParCmp	s_2ParCmp(PN_GenNot,PN_CDInf)		GenNot and CDInf
CDInf	s_CDInf		
ServAct	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
RnNbRes	—		
CTNb	—		
EchoInf	—		
ConNb	—		
BGVNS	—		
GenNb	—		
CHInf	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg_CDInf_GenNot_RnNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; var_RnNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	PN_GenNot		
EvInf	s_EvInf(alerting_inf)		alerting
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	-		
CRef	-		
BCI	s_BCI_o		
OBCI	-		
ATP	-		
UUInd	-		
RnNb	s_RnNb(var_RnNb, val_NatAdrl)		
UUInf	-		
GenNot	s_GenNot('1111011'B)		call is diverting
NtwFac	-		
RemOp	-		
TMU	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	–		GenNot and CDInf
ParCmp	s_2ParCmp(PN_GenNot,PN_CDInf)		
CDInf	s_CDInf		
ServAct	–		
RnNbRes	–		
CTNb	–		
EchoInf	–		
ConNb	–		
BGVNS	–		
GenNb	–		
CHInf	–		
ConTrInd	–		
UIDAcInd	–		
CCNRPosInd	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg_CDInf_GenNot_RnNb_RnNbRes(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; var_RnNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	PN_GenNot		
EvInf	s_EvInf(alerting_inf)		alerting
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	-		
CRef	-		
BCI	s_BCI_o		
OBCI	-		
ATP	-		
UUInd	-		
RnNb	s_RnNb(var_RnNb, val_NatAdrl)		
UUInf	-		
GenNot	s_GenNot('1111011'B)		call is diverting
NtwFac	-		
RemOp	-		
TMU	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	–		GenNot and CDInf
ParCmp	s_2ParCmp(PN_GenNot,PN_CDInf)		
CDInf	s_CDInf		
ServAct	–		
RnNbRes	r_s_RnNbRes('00'B)		Presentation allowed
CTNb	–		
EchoInf	–		
ConNb	–		
BGVNS	–		
GenNb	–		
CHInf	–		
ConTrInd	–		
UIDAcInd	–		
CCNRPosInd	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg_CTNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : CPG Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	PN_GenNot		
EvInf	s_EvInf(alerting_inf)		alerting
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	-		
CRef	-		
BCI	s_BCI_o		
OBCI	-		
ATP	-		
UUInd	-		
RnNb	-		
UUInf	-		
GenNot	s_GenNot(ctactive)		
NtwFac	-		
RemOp	-		
TMU	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ADInf	–		GenNot and CTNb, discard
ParCmp	s_2ParCmp(PN_GenNot,PN_CTNb)		
CDInf	–		
RnNbRes	–		
CTNb	s_CTNb(val_CTNb, val_NatAdrl)		
EchoInf	–		
ConNb	–		
BGVNS	–		
GenNb	–		
CHInf	–		
ConTrInd	–		
UIDAcInd	–		
CCNRPosInd	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg_GenNot(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : CPG Derivation Path : s_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	—		
CRef	—		
BCI	s_BCI_o		
OBCI	—		
ATP	—		
UUInd	—		
RnNb	—		
UUInf	—		
GenNot	s_GenNot('0000000'B)		has to be set directly, from the top
NtwFac	—		
RemOp	—		
TMU	—		
ADInf	—		
ParCmp	s_1ParCmp(PN_GenNot,'0'B)		GenNot, discard
CDInf	—		
RnNbRes	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CTNb	—		
EchoInf	—		
ConNb	—		
BGVNS	—		
GenNb	—		
CHInf	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_cpg_RnNbRes (DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : CPG Derivation Path : s_cpg. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	—		
CRef	—		
BCI	—		
OBCI	—		
ATP	—		
UUInd	—		
RnNb	—		
UUInf	—		
GenNot	—		has to be set directly, from the top
NtwFac	—		
RemOp	—		
TMU	—		
ADInf	—		
ParCmp	s_1ParCmp(PN_RnNbRes,'0'B)		GenNot, discard
CDInf	—		
RnNbRes	r_s_RnNbRes('00'B)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CTNb	—		
EchoInf	—		
ConNb	—		
BGVNS	—		
GenNb	—		
CHInf	—		
ConTrInd	—		
UIDAcInd	—		
CCNRPosInd	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	'00110011'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_MsgCmp IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
ATP	r_ATP IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_ATP(DPC, OPC: BIT_14; ClCnr: BIT_12; val_ATP:OCT_N) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00110011'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_s_MsgCmp('1'B)		
ParCmp	r_ParCmp IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		
CTNb	r_CTNb IF_PRESENT		
ATP	r_ATP_sub(val_ATP)		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_Cmplnf(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : FAC Derivation Path : r_fac. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		Coding not specified in ETS 300 356-14
MsgCmp	r_s_MsgCmp('1'B)		
ParCmp	r_1ParCmp('1'B,PN_CTNb)		
CTNb	r_CTNb		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_CTNb(DPC, OPC: BIT_14; ClCnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00110011'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_MsgCmp		
ParCmp	r_ParCmp		
RemOp	r_RemOp IF_PRESENT		
CTNb	r_CTNb_AdSg(val_CTNb, val_NatAdrl)		
ATP	r_ATP IF_PRESENT		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_CTNb_CmplInf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : FAC Derivation Path : r_fac. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_MsgCmp		
ParCmp	r_1ParCmp('1'B,PN_CTNb)		
CTNb	r_CTNb		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_no_CTNb(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : FAC Derivation Path : r_fac. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_MsgCmp		
ParCmp	r_ParCmp		
CTNb	–		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_GenNot(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : FAC			
Derivation Path : r_fac.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
ParCmp	r_ParCmp		
GenNot	r_GenNot		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_GenNot_Cmplnf(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : FAC			
Derivation Path : r_fac.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		ParCmp for GenNot
ParCmp	r_1ParCmp('0'B,PN_GenNot)		
GenNot	r_GenNot		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_GenNot_ServAct(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : FAC Derivation Path : r_fac. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
MsgCmp	r_s_MsgCmp('1'B)		
ParCmp	r_ParCmp		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_fac_ServAct_CmplInf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : FAC Derivation Path : r_fac. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		1.
MsgCmp	r_s_MsgCmp('1'B)		
ParCmp	r_1ParCmp('0'B,PN_ServAct)		
GenNot	r_GenNot		
ServAct	r_s_ServAct		
EndOP	'00'O		
Detailed Comments : 1. Coding not specified in ETS 300 356-14			

PDU Constraint Declaration			
Constraint Name : s_fac(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MsgCmp ParCmp RemOp CTNb ATP GenNot ServAct EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00110011'B TSO_compute_opt_ptr() r_s_MsgCmp('1'B) - - - - - r_s_ServAct '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_fac_ATP(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_sub:OCT_N) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MsgCmp ParCmp RemOp CTNb ATP GenNot ServAct EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00110011'B TSO_compute_opt_ptr() r_s_MsgCmp('1'B) - - - s_ATP_sub(val_sub) - r_s_ServAct '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_fac_CTNb(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CTNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MsgCmp ParCmp RemOp CTNb ATP GenNot ServAct EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00110011'B TSO_compute_opt_ptr() r_s_MsgCmp('1'B) s_2ParCmp(PN_CTNb,PN_GenNot) - s_CTNb(val_CTNb, val_NatAdrl) - s_GenNot(ctactive) r_s_ServAct '00'O		CTNb and GenNot
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_fac_GenNot(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : FAC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MsgCmp ParCmp RemOp CTNb ATP GenNot ServAct EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00110011'B TSO_compute_opt_ptr() r_s_MsgCmp('1'B) s_1ParCmp(PN_GenNot,'0'B) - - - s_GenNot(ctactive) r_s_ServAct '00'O		GenNot
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_faa(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : FAA Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType FacIc opt_part_ptr UUInd CRef ConRq ParCmp EndOP	r_Routing_label(DPC, OPC) r_s_cic(CICnr) '00100000'B r_FacIc TSO_compute_opt_ptr() r_UUInd r_CRef IF_PRESENT r_ConRq IF_PRESENT r_ParCmp IF_PRESENT '00'O		@
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_faa(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : FAA Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType FacIc opt_part_ptr UUInd CRef ConRq ParCmp EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00100000'B s_FacIc TSO_compute_opt_ptr() s_UUInd - - - '00'O		@ no new parameter in FAA to require ParCmp!!!
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_far(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : FAR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00011111'B		
FacIc	r_FacIc		
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	r_UUInd		
CRef	r_CRef IF_PRESENT		@
ConRq	r_ConRq IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		no new parameter in FAR to require ParCmp!!!
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_far(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : FAR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType FacIc opt_part_ptr UUInd CRef ConRq ParCmp EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00011111'B s_FacIc TSO_compute_opt_ptr() s_UUInd - - - '00'O		@
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_frj(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : FRJ Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType FacIc var_part_ptr opt_part_ptr Cause UUInd EndOP	r_Routing_label(DPC, OPC) r_s_cic(CICnr) '00100001'B r_FacIc '02'O TSO_compute_opt_ptr() r_Cause_m r_UUInd '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_frj(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : FRJ Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType FacIc var_part_ptr opt_part_ptr Cause UUInd EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00100001'B s_FacIc '02'O TSO_compute_opt_ptr() s_Cause_m s_UUInd '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_iam_any(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_iam_ATP_CdPN(DPC,OPC: BIT_14; val_sub:OCT_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_ATP_CdPN_USI_USIp(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
CdPN	r_CdPN		
ATP	r_ATP		
USI	r_USI		
USIp	r_USIp		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_ATP_CgPN_UUInd_OFCl(DPC,OPC: BIT_14; val_sub:OCT_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN		
OFCl	r_OFCl		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_ATP_CgPN(DPC,OPC: BIT_14; val_sub:OCT_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_ATP_CgPN_GenNb(DPC,OPC: BIT_14; val_cgPN: HEX_N; val_NbQlfl:BIT_8; val_GenNb:HEX_N; val_sub:OCT_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN_AdSg(val_cgPN, val_NatAdrl)		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	r_CUGIC IF_PRESENT		access transport
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP_sub(val_sub)		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp		1.
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_iam_CCSSpar(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_ParCmp		
CCSS	r_CCSS		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CCSSpar_UUInf(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf	r_UUInf		
ParCmp	r_ParCmp		
CCSS	r_CCSS		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CCSSpar_ParCmp(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
ParCmp	r_1ParCmp('0'B,PN_CCSSpar)		
CCSS	r_CCSS		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CgPN(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
CgPN	r_CgPN		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CgPN_AdSg(DPC,OPC: BIT_14; val_CgPN:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN_AdSg(val_CgPN, val_NatAdrl)		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CgPN_APRI2(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
CgPN	r_CgPN_APRI2		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_CgPN_GenNb(DPC,OPC: BIT_14; val_cgPN: HEX_N; val_NbQlfl:BIT_8; val_GenNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN_AdSg(val_cgPN, val_NatAdrl)		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	r_CUGIC IF_PRESENT		
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb_AdSg(val_NbQlfl, val_GenNb, val_NatAdrl)		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp		1.
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments : 1. GenNb			

PDU Constraint Declaration			
Constraint Name : r_iam_CgPN_RgNb_RnInf_OriCdNb_GenNb(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
CgPN	r_CgPN		
RgNb	r_RgNb		
RnInf	r_RnInf		
OriCdNb	r_OriCdNb		
GenNb	r_GenNb		
ParCmp	r_1ParCmp('1'B,PN_GenNb)		1.
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : r_iam_no_ATP(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
CdPN	r_CdPN		
ATP	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_no_CgPN(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
CgPN	–		
GenNb	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_no_OFCl(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
OFCl	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_OFCl(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
OFCl EndOP	r_OFCl '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_OFCl_CUGIC(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
OFCl	r_OFCl		
CUGIC	r_CUGIC		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_PDC(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
PDC ParCmp EndOP	r_PDC r_ParCmp '00'O		PDC
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf(DPC,OPC: BIT_14) PDU Type : IAM Derivation Path : r_iam. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RnInf EndOP	r_RnInf '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf_NO_OriCdNb(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
RnInf	r_RnInf		
OriCdNb	–		
GenNb	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf_NO_RgNb(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
RgNb	–		
RnInf	r_RnInf		
GenNb	–		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf_OriCdNb_AdSg(DPC,OPC: BIT_14; val_OriCdNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb IF_PRESENT		
RnInf	r_RnInf		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb_AdSg(val_OriCdNb, val_NatAdrl)		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CCSS	r_CCSS IF_PRESENT		
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf_OriCdNb_RgNb_AdSg(DPC,OPC: BIT_14; val_OriCdNb, val_RgNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb_AdSg(val_RgNb, val_NatAdrl)		
RnInf	r_RnInf		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb_AdSg(val_OriCdNb, val_NatAdrl)		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CCSS	r_CCSS IF_PRESENT		
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_RnInf_RgNb_AdSg(DPC,OPC: BIT_14; val_RgNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_iam		
MType	'00000001'B		
NatCon	r_NatCon		
FCI	r_FCI		
CgPC	r_CgPC_m		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	r_CdPN		
TNtwSel	r_TNtwSel IF_PRESENT		@
CRef	r_CRef IF_PRESENT		@
CgPN	r_CgPN IF_PRESENT		
OFCI	r_OFCI IF_PRESENT		
RgNb	r_RgNb_AdSg(val_RgNb, val_NatAdrl)		
RnInf	r_RnInf		
CUGIC	r_CUGIC IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	r_ConRq IF_PRESENT		
OriCdNb	r_OriCdNb IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ATP	r_ATP IF_PRESENT		
USI	r_USI IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
PDC	r_PDC IF_PRESENT		
USIp	r_USIp IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
GenDig	r_GenDig IF_PRESENT		@
OriISC	r_OriISC IF_PRESENT		
UTI	r_UTI IF_PRESENT		
RemOp	r_RemOp IF_PRESENT		@
ParCmp	r_ParCmp IF_PRESENT		
GenNot	r_GenNot IF_PRESENT		
ServAct	r_s_ServAct IF_PRESENT		@
GenRef	r_GenRef IF_PRESENT		
MLPPpre	r_MLPPpre IF_PRESENT		
TMRp	r_TMRp IF_PRESENT		
LocNb	r_LocNb IF_PRESENT		
ForGVNS	r_ForGVNS IF_PRESENT		
CCSS	r_CCSS IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	r_NetManCon IF_PRESENT		
CctAssMap	r_CctAssMap IF_PRESENT		
CorrID	r_CorrID IF_PRESENT		
CDivTrInd	r_CDivTrInd IF_PRESENT		
CdINnum	r_CdINnum IF_PRESENT		
COffTrInd	r_COffTrInd IF_PRESENT		
ConfTrInd	r_ConTrInd IF_PRESENT		
SCFid	r_SCFid IF_PRESENT		
UIDcapInd	r_UIDcapInd IF_PRESENT		
EchoInf	r_EchoInf IF_PRESENT		
HopCnt	r_HopCnt IF_PRESENT		
ColCReq	r_ColCReq IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_UUInd_UUInf(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf	r_UUInf		implicit request
UUInd	r_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_UUInd(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInd	r_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_iam_UUInf(DPC,OPC: BIT_14)			
PDU Type : IAM			
Derivation Path : r_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf EndOP	r_UUInf '00'O		implicit request
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		speech
var_part_ptr	'02'O		
opt_part_ptr	'00'O		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	-		
OFCI	-		
RgNb	-		
RnInf	-		
CUGIC	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_ATP_CdPN(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CdPN: HEX_N; val_sub: OCT_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(CICnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		speech
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	-		
OFCI	-		
RgNb	-		
RnInf	-		
CUGIC	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	s_ATP_sub(val_sub)		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_ATP_CdPN_CgPN(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_CgPN: HEX_N; val_sub: OCT_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		speech
<--	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	—		
CRef	—		
CgPN	s_CgPN(val_CgPN, val_NatAdrl)		
OFCI	—		
RgNb	—		
RnInf	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	s_ATP_sub(val_sub)		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_CCSSpar (DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	—		
TNtwSel	—		
CRef	—		
CgPN	—		
OFCI	—		
RgNb	—		
RnInf	—		
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
USIp	—		
NtwFac	—		
GenDig	—		
OrlISC	—		
UTI	—		
RemOp	—		
ParCmp	s_1ParCmp(PN_CCSSpar,'0'B)		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	s_CCSS		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_CgPN(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_CgPN: HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		speech
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	s_CgPN(val_CgPN, val_NatAdrl)		
OFCI	-		
RgNb	-		
RnInf	-		
CUGIC	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_CgPN_APRI2(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CdPN: HEX_N) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	—		
TNtwSel	—		
CRef	—		
CgPN	s_CgPN_APRI2		
OFCI	—		
RgNb	—		
RnInf	—		
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
USIp	—		
NtwFac	—		
GenDig	—		
OrlISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_CgPN_ATP(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_CgPN: HEX_N; val_sub: OCT_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		speech
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	s_CgPN(val_CgPN, val_NatAdrl)		
OFCI	-		
RgNb	-		
RnInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	s_ATP_sub(val_sub)		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_CgPN_GenNb(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_CgPN:HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		speech
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	s_CgPN(val_CgPN, val_NatAdrl)		
OFCI	-		
RgNb	-		
RnInf	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	s_GenNb(val_NbQlfl, val_GenNb, val_NatAdrl)		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		1.
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_iam_CgPN_GenNb_APRI2(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N; val_NbQlfl:BIT_8; val_GenNb: HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		speech
<--	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	—		
CRef	—		
CgPN	s_CgPN_APRI2		
OFCI	—		
RgNb	—		
RnInf	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	s_GenNb(val_NbQlfl, val_GenNb, val_NatAdrl)		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		1.
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_iam_CUGIC(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
CUGIC	s_CUGIC		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_OFCl(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
OFCl	s_OFCl		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_OFCl_CUGIC(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
OFCl	s_OFCl		
CUGIC	s_CUGIC		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_PDC(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
PDC	s_PDC		
ParCmp	s_1ParCmp(PN_PDC,'0'B)		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_OriCdNb(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_OriCdNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		speech
<--	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	—		
CRef	—		
CgPN	—		
OFCI	—		
RgNb	—		
RnInf	s_RnInf		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	s_OriCdNb(val_OriCdNb, val_NatAdrl)		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_OriCdNb_APRI2(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
RnInf	s_RnInf		
OriCdNb	s_OriCdNb_APRI2		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_OriCdNb_GenNb(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_OriCdNb, val_addOriCdNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	s_Routing_label(DPC, OPC, SLS)		speech
<--	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	—		
CRef	—		
CgPN	—		
OFCI	—		
RgNb	—		
RnInf	s_RnInf		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	s_OriCdNb(val_OriCdNb, val_NatAdrl)		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	s_GenNb(addOriCdNb,val_addOr iCdNb, val_NatAdrl)		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	s_1ParCmp(PN_GenNb,'1'B)		1.
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
LocNb	—		
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments : 1. GenNb, discard			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_OriCdNb_RgNb(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_OriCdNb, val_RgNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		speech
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	-		
OFCI	-		
RgNb	s_RgNb(val_RgNb, val_NatAdrl)		
RnInf	s_RnInf		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
CUGIC	—		
ConRq	—		
OriCdNb	s_OriCdNb(val_OriCdNb, val_NatAdrl)		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ForGVNS	—		
CCSS	—		
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_RgNb(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN, val_RgNb:HEX_N; val_NatAdrl:BIT_7) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00000001'B		
NatCon	s_NatCon		
FCI	s_FCI		
CgPC	s_CgPC_m		
TMR	'00000000'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	s_CdPN(TSO_AdSg_CdPN(val_CdPN))		
TNtwSel	-		
CRef	-		
CgPN	-		
OFCI	-		
RgNb	s_RgNb(val_RgNb, val_NatAdrl)		
RnInf	s_RnInf		
CUGIC	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
ConRq	—		
OriCdNb	—		
UUInf	—		
ATP	—		
USI	—		
UUInd	—		
GenNb	—		
PDC	—		
USIp	—		
NtwFac	—		
GenDig	—		
OriISC	—		
UTI	—		
RemOp	—		
ParCmp	—		
GenNot	—		
ServAct	—		
GenRef	—		
MLPPpre	—		
TMRp	—		
LocNb	—		
ForGVNS	—		
CCSS	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
NetManCon	—		
CctAssMap	—		
CorrID	—		
CDivTrInd	—		
CdINnum	—		
COffTrInd	—		
ConfTrInd	—		
SCFid	—		
UIDcapInd	—		
EchoInf	—		
HopCnt	—		
ColCReq	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_RnInf_RgNb_APRI2(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
RgNb	s_RgNb_APRI2		
RnInf	s_RnInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_UUInd(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInd	s_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_UUInd_UUInf(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInf	s_UUInf		
UUInd	s_UUInd		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_iam_UUInf(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CdPN: HEX_N)			
PDU Type : IAM			
Derivation Path : s_iam.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_idr(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : IDR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00110110'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MCIDRq	r_MCIDRq IF_PRESENT		
MsgCmp	r_MsgCmp IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
CgPN	r_CgPN IF_PRESENT		
ATP	r_ATP IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
ChPtyId	r_ChPtyId IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_idr_CmpInf(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : IDR			
Derivation Path : r_idr.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_1ParCmp('1'B,PN_MCIDRq)		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_idr(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : IDR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MCIDRq MsgCmp ParCmp EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00110110'B TSO_compute_opt_ptr() s_MCIDRq r_s_MsgCmp('0'B) s_1ParCmp(PN_MCIDRq, '1'B) '00'O		MCIDRq, discard
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_inf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : INF Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00000011'B		
Inflnd	r_Inflnd IF_PRESENT		
opt_part_ptr	TSO_compute_opt_ptr()		
CgPC	r_CgPC_m IF_PRESENT		m
CgPN	r_CgPN IF_PRESENT		o
CRef	r_CRef IF_PRESENT		o @
ConRq	r_ConRq IF_PRESENT		o
ParCmp	r_ParCmp IF_PRESENT		o
NtwFac	r_NtwFac IF_PRESENT		o @
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_inr(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : INR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType InfReqInd opt_part_ptr CRef NtwFac ParCmp EndOP	r_Routing_label(DPC, OPC) r_s_cic(ClCnr) '00000011'B r_InfReqInd IF_PRESENT TSO_compute_opt_ptr() r_CRef IF_PRESENT r_NtwFac IF_PRESENT r_ParCmp IF_PRESENT '00'O IF_PRESENT		o @ o @ o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00110111'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MCIDRs	r_MCIDRs IF_PRESENT		
MsgCmp	r_MsgCmp IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
CgPN	r_CgPN IF_PRESENT		
ATP	r_ATP IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
ChPtyId	r_ChPtyId IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_ATP_CgPN(DPC, OPC: BIT_14; ClCnr: BIT_12; val_sub:OCT_N) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00110111'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	r_CgPN_MCID		
ATP	r_ATP_sub(val_sub)		
GenNb	r_GenNb IF_PRESENT		
ChPtyId	r_ChPtyId IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_CgPN(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : IRS			
Derivation Path : r_irs.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	r_CgPN_MCID		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_CgPN_AdSg(DPC, OPC: BIT_14; CICnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	'00110111'B		
opt_part_ptr	TSO_compute_opt_ptr()		
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	r_CgPN_AdSg(val_CgPN, val_NatAdrl)		
ATP	r_ATP IF_PRESENT		
GenNb	r_GenNb IF_PRESENT		
ChPtyId	r_ChPtyId IF_PRESENT		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_CgPN_AdSg_avail(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : IRS			
Derivation Path : r_irs.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	r_CgPN_AdSg_avail		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_CmpInf(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : IRS			
Derivation Path : r_irs.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_1ParCmp('1'B,PN_MCIDRs)		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_GenNb(DPC, OPC: BIT_14; ClCnr: BIT_12)			
PDU Type : IRS			
Derivation Path : r_irs.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	r_CgPN		
GenNb	r_GenNb		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_irs_no_MCID(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : IRS Derivation Path : r_irs. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
MCIDRs	r_MCIDRs		
MsgCmp	r_s_MsgCmp('0'B)		
ParCmp	r_ParCmp		
CgPN	—		
ATP	—		
GenNb	—		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_irs(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_NatAdrl:BIT_7) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MCIDRs MsgCmp ParCmp CgPN ATP GenNb ChPtyId EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00110111'B TSO_compute_opt_ptr() s_MCIDRs r_s_MsgCmp('0'B) s_2ParCmp_disc(PN_MCIDRs,PN_GenNb) s_CgPN(TSP_Nb_C, val_NatAdrl) s_ATP_sub(TSP_Sub_C) - - '00'O		MCIDRs and GenNb, discard
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_irs_CgPN(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MCIDRs MsgCmp ParCmp CgPN ATP GenNb ChPtyId EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00110111'B TSO_compute_opt_ptr() s_MCIDRs r_s_MsgCmp('0'B) s_1ParCmp(PN_MCIDRs, '1'B) s_CgPN(val_CgPN, val_NatAdrl) - - - '00'O		MCIDRs, discard
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_irs_ext(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12; val_CgPN:HEX_N; val_NatAdrl:BIT_7) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MCIDRs MsgCmp ParCmp CgPN ATP GenNb ChPtyId EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00110111'B TSO_compute_opt_ptr() s_MCIDRs r_s_MsgCmp('0'B) s_2ParCmp_disc(PN_MCIDRs, PN_GenNb) s_CgPN(val_CgPN, val_NatAdrl) s_ATP_sub(TSP_Sub_C) - - '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_irs_no_MCID(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : IRS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr MCIDRs MsgCmp ParCmp CgPN ATP GenNb ChPtyId EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00110111'B TSO_compute_opt_ptr() s_MCIDRs r_s_MsgCmp('0'B) s_1ParCmp(PN_MCIDRs, '1'B) - - - - '00'O		MCIDRs, discard
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_lop(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(CICnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPIc	r_LOPIc		o – 'request'
CTRef	r_CTRef		o
MsgCmp	r_MsgCmp		o
ParCmp	r_ParCmp IF_PRESENT		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_lop_CmplInf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPlc	r_LOPlc		o – 'request'
CTRef	r_CTRef IF_PRESENT		o
MsgCmp	r_s_MsgCmp('1'B)		o
ParCmp	r_ParCmp IF_PRESENT		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_lop_CTRef_CmplInf(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<--	r_Routing_label(DPC, OPC)		
<--	r_s_cic(CICnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPIc	r_LOPIc		o – 'request'
CTRef	r_CTRef IF_PRESENT		o
MsgCmp	r_MsgCmp		o
ParCmp	r_1ParCmp('0'B,PN_CTRef)		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_lop_LOPlc_CmplInf(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPlc	r_LOPlc		o – 'request'
CTRef	r_CTRef IF_PRESENT		o
MsgCmp	r_MsgCmp		o
ParCmp	r_1ParCmp('0'B,PN_LOPlc)		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_lop(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPlc	s_LOPlc('0'B,'00'B)		o
CTRef	s_CTRef('00'O)		o
MsgCmp	r_s_MsgCmp('1'B)		o
ParCmp	s_2ParCmp(PN_LOPlc, PN_CTRef)		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_lop_CTRef(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_CTId:OCT_1; val_Type:BIT_1; val_Rspl:BIT_2) PDU Type : LOP Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'10011000'B		
opt_part_ptr	TSO_compute_opt_ptr()		m
LOPlc	s_LOPlc(val_Type,val_Rspl)		o
CTRef	s_CTRef(val_CTId)		o
MsgCmp	r_s_MsgCmp('1'B)		o
ParCmp	s_2ParCmp(PN_LOPlc, PN_CTRef)		o
EndOP	'00'O		o
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_rel (DPC,OPC: BIT_14; ClCnr: BIT_12) PDU Type : REL Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_s_cic(ClCnr)		
MType	'00001100'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_m		
RnInf	r_RnInf IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ATP	r_ATP IF_PRESENT		
SPC	r_SPC IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ACL	r_s_ACL IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
ADInf	r_ADInf IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
DisInf	r_DisInf IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_rel_anyCIC (DPC,OPC: BIT_14) PDU Type : REL Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	r_Routing_label(DPC, OPC)		
<-	r_cic_any		
MType	'00001100'B		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	r_Cause_m		
RnInf	r_RnInf IF_PRESENT		
RnNb	r_RnNb IF_PRESENT		
ATP	r_ATP IF_PRESENT		
SPC	r_SPC IF_PRESENT		
UUInf	r_UUInf IF_PRESENT		
ACL	r_s_ACL IF_PRESENT		
NtwFac	r_NtwFac IF_PRESENT		@
ADInf	r_ADInf IF_PRESENT		
ParCmp	r_ParCmp IF_PRESENT		
RnNbRes	r_RnNbRes IF_PRESENT		
UUInd	r_UUInd IF_PRESENT		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : r_rel_UUInf (DPC,OPC: BIT_14; ClCnr: BIT_12) PDU Type : REL Derivation Path : r_rel. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
UUInf	r_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_rel(DPC,OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : REL Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<-	s_Routing_label(DPC, OPC, SLS)		
<-	r_s_cic(ClCnr)		
MType	'00001100'B		
var_part_ptr	'02'O		
opt_part_ptr	'00'O		
Cause	s_Cause_m		
RnInf	-		
RnNb	-		
ATP	-		
SPC	-		
UUInf	-		
ACL	-		
NtwFac	-		
ADInf	-		
ParCmp	-		
RnNbRes	-		
UUInd	-		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
DisInf	—		
EndOP	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_rel_diag(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : REL Derivation Path : s_rel. Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
Cause	s_Cause_diag		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_rel_UUInf(DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12)			
PDU Type : REL			
Derivation Path : s_rel.			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
opt_part_ptr	TSO_compute_opt_ptr()		
UUInf	s_UUInf		
EndOP	'00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_res(DPC, OPC: BIT_14; CICnr: BIT_12) PDU Type : RES Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType SusRes opt_part_ptr CRef EndOP	r_Routing_label(DPC, OPC) r_s_cic(CICnr) '00001110'B SusRes_any TSO_compute_opt_ptr() r_CRef IF_PRESENT '00'O IF_PRESENT		@
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : s_res(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12) PDU Type : RES Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType SusRes opt_part_ptr CRef EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00001110'B r_s_SusRes_ntw_init '00'O — —		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_rlc (DPC,OPC: BIT_14; ClCnr: BIT_12) PDU Type : RLC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr Cause EndOP	r_Routing_label(DPC, OPC) r_s_cic(ClCnr) '00010000'B TSO_compute_opt_ptr() r_Cause_o IF_PRESENT '00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_rlc (DPC,OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : RLC Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType opt_part_ptr Cause EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00010000'B '00'O - -		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_rsc(DPC, OPC: BIT_14; CICnr: BIT_12)			
PDU Type : RSC			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType	r_Routing_label(DPC, OPC) r_s_cic(CICnr) '00010010'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_rsc(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12)			
PDU Type : RSC			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00010010'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_sus(DPC, OPC: BIT_14; ClCnr: BIT_12) PDU Type : SUS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType SusRes opt_part_ptr CRef EndOP	r_Routing_label(DPC, OPC) r_s_cic(ClCnr) '00001101'B SusRes_any TSO_compute_opt_ptr() r_CRef IF_PRESENT '00'O IF_PRESENT		@
Detailed Comments : @: This parameter is for national use only. It shall not be received on the international interface.			

PDU Constraint Declaration			
Constraint Name : s_sus(DPC, OPC: BIT_14; SLS: BIT_4; CICnr: BIT_12) PDU Type : SUS Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType SusRes opt_part_ptr CRef EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(CICnr) '00001101'B r_s_SusRes_ntw_init '00'O - -		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_usr(DPC, OPC:BIT_14; ClCnr: BIT_12) PDU Type : USR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType var_part_ptr opt_part_ptr UUInf ATP EndOP	r_Routing_label(DPC, OPC) r_s_cic(ClCnr) '00101101'B '02'O TSO_compute_opt_ptr() r_UUInf_v r_ATP IF_PRESENT '00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_usr(DPC, OPC: BIT_14; SLS: BIT_4; ClCnr: BIT_12; val_sub: OCT_N) PDU Type : USR Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
<- <- MType var_part_ptr opt_part_ptr UUInf ATP EndOP	s_Routing_label(DPC, OPC, SLS) r_s_cic(ClCnr) '00101101'B '02'O TSO_compute_opt_ptr() s_UUInf_v s_ATP_sub(val_sub) '00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_ret_DSS1(CALL_REF: BIT7OR15)			
PDU Type : RET_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_ret_DSS1(CALL_REF: BIT7OR15; BCH: BIT7OR8) PDU Type : RET_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	—		
dsp	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_ret_ack_DSS1(CALL_REF: BIT7OR15)			
PDU Type : RET_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_ret_ack_DSS1(CALL_REF: BIT7OR15; BCH: BIT7OR8) PDU Type : RET_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	—		
dsp	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_hold_DSS1(CALL_REF: BIT7OR15)			
PDU Type : HOLD_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
fie	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_hold_DSS1(CALL_REF: BIT7OR15; BCH: BIT7OR8)			
PDU Type : HOLD_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
fie	—		
dsp	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_hold_ack_DSS1(CALL_REF: BIT7OR15)			
PDU Type : HOLD_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
fie	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_hold_ack_DSS1(CALL_REF: BIT7OR15; BCH: BIT7OR8)			
PDU Type : HOLD_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
fie	—		
dsp	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1_UUS(CALL_REF: BIT7OR15;comp:Component) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	{c_fIEr(comp)}		
pi	*		
noid	*		
dsp	*		
ronn	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1(CALL_REF: BIT7OR15) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
pi	*		
noid	*		
dsp	*		
ronn	—		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1_CDIV(CALL_REF: BIT7OR15) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
pi	*		
noid	c_dss1_NOID2('FB'O)		
dsp	*		
ronn	c_dss1_RONN1		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1_CDIV_NO_RNNB(CALL_REF: BIT7OR15) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
pi	*		
noid	c_dss1_NOID2('FB'O)		
dsp	*		
ronn	—		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1_CW(CALL_REF: BIT7OR15) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	*		
pi	*		
noid	c_dss1_NOID2('E0'O)		
dsp	*		
ronn	—		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_alert_DSS1_UUS_COMP2(CALL_REF: BIT7OR15;comp1:Component;comp2:Component) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000001'B		
chi	*		
fie	{c_fIEr_2comp (comp1, comp2)}		
pi	*		
noid	*		
dsp	*		
ronn	—		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : s_alert_DSS1(CALL_REF: BIT7OR15; BCH: BIT7OR8) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	—		
pi	—		
noid	—		
dsp	—		
ronn	—		
uui	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : s_alert_DSS1_CW(CALL_REF: BIT7OR15; BCH: BIT7OR8) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	—		
pi	—		
noid	c_dss1_NOID2('D0'O)		
dsp	—		
ronn	—		
uui	—		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : s_alert_DSS1_UUI(CALL_REF: BIT7OR15; BCH: BIT7OR8) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	—		
pi	—		
noid	—		
dsp	—		
ronn	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : PDU with UUI element.			

PDU Constraint Declaration			
Constraint Name : s_alert_DSS1_UUS_COMP2(CALL_REF: BIT7OR15; BCH: BIT7OR8;comp1:Component; comp2:Component) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	{c_fIEs_2comp(comp1, comp2)}		
pi	—		
noid	—		
dsp	—		
ronn	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : PDU with UUI element and FIE			

PDU Constraint Declaration			
Constraint Name : s_alert_DSS1_UUS1(CALL_REF: BIT7OR15; BCH: BIT7OR8;comp:Component) PDU Type : ALERT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000001'B		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSP_BASIC)		
fie	{c_fIEs(comp)}		
pi	—		
noid	—		
dsp	—		
ronn	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : PDU with UUI element.			

PDU Constraint Declaration			
Constraint Name : r_call_proceeding_DSS1(CALL_REF: BIT7OR15) PDU Type : CALL_PROC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000010'B		
chi	?		
fie	*		
pi	*		
noid	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : r_connect_DSS1_UUINF(CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with UUI element.			

PDU Constraint Declaration			
Constraint Name : r_connect_DSS1_UUS(CALL_REF: BIT7OR15; comp:Component) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	{c_fIEr(comp)}		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with UUI element.			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_UUI(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with UUI element.			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_UUS(FLAG: INTEGER; CALL_REF: BIT7OR15;comp:Component) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	{c_fIEs(comp)}		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU without UUI AND FIE elements.			

PDU Constraint Declaration			
Constraint Name : r_connect_DSS1(CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_connect_DSS1_COMP(CALL_REF: BIT7OR15;comp:Component)			
PDU Type : CONN_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		Facility i.e with component to be received.
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	{c_fIEs(comp)}		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : r_connect_DSS1_ANY_CONNB(CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	?		
cods	—		
ronn	*		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with any CODN and RONN information elements.			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	—		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_with_CN(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	c_dss1_CODN1		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with connected number			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_with_CN_NP(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	c_dss1_CODN2		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with connected number			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_with_MSN(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	c_dss1_CODN3		
cods	—		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with connected number			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_with_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	c_dss1_CODN1		
cods	c_dss1_CODS1		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with connected number			

PDU Constraint Declaration			
Constraint Name : s_connect_DSS1_with_NP_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : CONN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000111'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
dati	—		
codn	c_dss1_CODN2		
cods	c_dss1_CODS1		
ronn	—		
llc	—		
uui	—		
Detailed Comments : &COMMON_N12 PDU with connected number			

PDU Constraint Declaration			
Constraint Name : r_connect_ack_DSS1(CALL_REF: BIT7OR15)			
PDU Type : CONN_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00001111'B		
chi	*		
dsp	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : s_connect_ack_DSS1(CALL_REF: BIT7OR15)			
PDU Type : CONN_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00001111'B		
chi	—		
dsp	—		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_disconnect_DSS1(CALL_REF: BIT7OR15) PDU Type : DISC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'01000101'B		
cau	?		
fie	*		
pi	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_disconnect_DSS1_cause(CALL_REF: BIT7OR15;CVAL:INTEGER) PDU Type : DISC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		cause value = CVAL
cr	c_dss1_CR32(CALL_REF)		
mt	'01000101'B		
cau	c_dss1_CAU(CVAL)		
fie	*		
pi	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : s_disconnect_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15; CVAL:INTEGER) PDU Type : DISC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send DISC PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		cause value = CVAL
cr	c_dss1_CR18 (CALL_REF)		
mt	'01000101'B		
cau	c_dss1_CAU(CVAL)		
fie	—		
pi	—		
dsp	—		
uui	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_disconnect_DSS1_facility(FLAG:INTEGER; CALL_REF:BIT7OR15; CVAL:INTEGER; comp:Component) PDU Type : DISC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send DISC PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'01000101'B		
cau	c_dss1_CAU(CVAL)		cause value = CVAL
fie	{c_fIEs(comp)}		Facility i.e with component to be sent
pi	—		
dsp	—		
uui	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_facility_DSS1(FLAG : INTEGER ; CALL_REF: BIT7OR15)			
PDU Type : FAC_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		Facility i.e with component to be received
cr	c_dss1_CR18(CALL_REF)		
mt	'01100010'B		
fie	?		
dsp	—		
cdpn	—		
cdps	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_facility_DSS1_COMP(FLAG : INTEGER ; CALL_REF: BIT7OR15 ; comp:Component)			
PDU Type : FAC_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		Facility i.e with component to be received
cr	c_dss1_CR18(CALL_REF)		
mt	'01100010'B		
fie	SUPERSET({c_fIEr(comp)})		
dsp	—		
cdpn	—		
cdps	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_facility_DSS1(FLAG : INTEGER ; CALL_REF: BIT7OR15) PDU Type : FAC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		Facility i.e with component to be sent
cr	c_dss1_CR18(CALL_REF)		
mt	'01100010'B		
fie	—		
dsp	—		
cdpn	—		
cdps	—		
Detailed Comments : PDU without optional parameter used to send one component within one Facility information element;			

PDU Constraint Declaration			
Constraint Name : s_facility_DSS1_COMP(FLAG : INTEGER ; CALL_REF: BIT7OR15 ; comp:Component)			
PDU Type : FAC_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		Facility i.e with component to be sent
cr	c_dss1_CR18(CALL_REF)		
mt	'01100010'B		
fie	{c_fIEs(comp)}		
dsp	—		
cdpn	—		
cdps	—		
Detailed Comments : PDU without optional parameter used to send one component within one Facility information element;			

PDU Constraint Declaration			
Constraint Name : r_information_DSS1 (CALL_REF: BIT7OR15) PDU Type : INFO_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'01111011'B		
sci	?		
cau	?		
dsp	?		
kpf	?		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_notify_DSS1(CALL_REF: BIT7OR15;val:OCTETSTRING)			
PDU Type : NOTIFY_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'01101110'B		
noid	c_dss1_NOID(val)		
dsp	*		
bcap	?		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_progress_DSS1(CALL_REF: BIT7OR15) PDU Type : PROG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'00000011'B		
cau	*		
fie	*		
pi	*		
noid	*		
dsp	*		
ronn	—		
uui	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : r_release_comp_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : REL_COM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'01011010'B		
cau	?		
fie	*		
noid	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_release_comp_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : REL_COM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'01011010'B		
cau	—		
fie	—		
noid	—		
dsp	—		
uui	—		
Detailed Comments : PDU with optional information element cau			

PDU Constraint Declaration			
Constraint Name : r_release_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : REL_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'01001101'B		
cau	*		
fie	*		
noid	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : s_release_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER) PDU Type : REL_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'01001101'B		
cau	c_dss1_CAU(CVAL)		
fie	—		
noid	—		
dsp	—		
uui	—		
Detailed Comments : PDU with optional information element cau			

PDU Constraint Declaration			
Constraint Name : r_resume_ack_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15) PDU Type : RESUME_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : RESUME ACKNOWLEDGEMENT u <- n local			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		protocol discriminator M
cr	c_dss1_CR18 (CALL_REF)		call reference M OCTETSTRING[1..3]
mt	'00101110'B		message type M
chi	*		channel identification C OCTETSTRING[2..5]
dsp	*		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Constraint Declaration			
Constraint Name : s_resume_ack_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15) PDU Type : RESUME_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : RESUME ACKNOWLEDGEMENT u <- n local			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		protocol discriminator M
cr	c_dss1_CR18 (CALL_REF)		call reference M OCTETSTRING[1..3]
mt	'00101110'B		message type M
chi	—		channel identification C OCTETSTRING[2..5]
dsp	—		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_resume_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : RESUME_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100110'B		
cid	*		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_resume_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : RESUME_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100110'B		
cid	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_resume_rej_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15) PDU Type : RESUME_REJ_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : RESUME REJECT u ← n local			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		protocol discriminator M
cr	c_dss1_CR18 (CALL_REF)		call reference M OCTETSTRING[1..3]
mt	'00100010'B		message type M
cau	*		Cause C OCTETSTRING[2..5]
dsp	*		display (n →u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Constraint Declaration			
Constraint Name : r_setup_ack_DSS1(CALL_REF:BIT7OR15) PDU Type : SETUP_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
chi	?		
fie	*		
pi	*		
noid	*		
dsp	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : s_setup_ack_DSS1(CALL_REF:BIT7OR15) PDU Type : SETUP_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
chi	—		
fie	—		
pi	—		
noid	—		
dsp	—		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_setup_DSS1(CALL_REF:BIT7OR15) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
sci	*		
bcap	?		
chi	?		
fie	*		
pi	*		
nsf	*		
noid	*		
dsp	*		
kpf	*		
cgpn	*		
cgps	*		
cdpn	*		
cdps	*		
rngn	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
tns	—		
llc	*		
hlc	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : r_setup_DSS1_UUS(CALL_REF: BIT7OR15) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
sci	*		
bcap	?		
chi	?		
fie	*		
pi	*		
nsf	*		
noid	*		
dsp	*		
kpf	*		
cgpn	*		
cgps	*		
cdpn	*		
cdps	*		
rngn	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
tns llc hlc uui	— * * c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : PDU with UUI			

PDU Constraint Declaration			
Constraint Name : r_setup_DSS1_COMP(CALL_REF: BIT7OR15; comp:Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
sci	*		
bcap	?		
chi	?		
fie	{c_fIEr(comp)}		
pi	*		
nsf	*		
noid	*		
dsp	*		
kpf	*		
cgpn	*		
cgps	*		
cdpn	*		
cdps	*		
rngn	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
tns	—		
llc	*		
hlc	*		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : r_setup_DSS1_UUS_COMP3(CALL_REF: BIT7OR15; comp1:Component; comp2:Component; comp3:Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32 (CALL_REF)		
mt	'00000101'B		
sci	*		
bcap	?		
chi	?		
fie	{c_fIEr_3comp(comp1, comp2, comp3)}		
pi	*		
nsf	*		
noid	*		
dsp	*		
kpf	*		
cgpn	*		
cgps	*		
cdpn	*		
cdps	*		
rngn	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
tns	—		
llc	*		
hlc	*		
uui	*		
Detailed Comments : PDU with FIE			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		
cdps	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_CD_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIP_S:OCTETSTRING;IPS:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN2		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	c_dss1_CDPS1(LIP_S, IPS)		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_NO_CGPN_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	c_dss1_CGPS1		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_CGPN_UPVP(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	c_dss1_CGPN1		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_CGPN_UPVP_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	c_dss1_CGPN1		
cgps	c_dss1_CGPS1		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_GN_UPNV(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	c_dss1_CGPN1		
cgps	—		
cdpn	c_dss1_CDPN3		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_GN_UPNV_SUB(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	c_dss1_CGPS1		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_COMP(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING;COMP:Component)			
PDU Type : SETUP_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs(COMP)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	—		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUI_COMP(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; LIPN: OCTETSTRING; IPN: OCTETSTRING; COMP: Component)			
PDU Type : SETUP_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs(COMP)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	—		
hlc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element SCI and CDPN.			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUIND(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) and CDPN			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUINF(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;LIPN:OCTETSTRING;IPN:OCTETSTRING) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	—		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN1(LIPN,IPN)		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdps	—		
rngn	—		
tns	—		
llc	—		
hlc	—		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) and CDPN			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUS1_NON_ESS(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;comp:Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs(comp)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN3		
cdps	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) , CDPN3 and fie			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUS1_ESS(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;comp:Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs(comp)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN3		
cdps	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) , CDPN3 and fie			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUS_COMP3(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; comp1: Component; comp2: Component; comp3: Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs_3comp(comp1, comp2, comp3)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
cdpn	c_dss1_CDPN3		
cdps	—		
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) , CDPN and FIE			

PDU Constraint Declaration			
Constraint Name : s_setup_DSS1_UUS2(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8;comp:Component) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU with FLAG for origin, CALL_REF for call reference, BCH for B Channel, LIPN for Length of the IUT party number (including NPI), IPN for the IUT party number (IA5 format)			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18(CALL_REF)		
mt	'00000101'B		
sci	'10100001'B		
bcap	c_dss1_BCAP1		
chi	TSO_ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),TSV_BASIC)		
fie	{c_fIEs(comp)}		
pi	—		
nsf	—		
noid	—		
dsp	—		
kpf	—		
cgpn	—		
cgps	—		
cdpn	c_dss1_CDPN3		
cdps	—		

Continued on next page

Continued from previous page

PDU Constraint Declaration			
Field Name	Field Value	Field Encoding	Comments
rngn	—		
tns	—		
llc	c_dss1_LLC1		
hlc	c_dss1_HLC1		
uui	c_dss1_UUI1(33, TSC_UUI_32)		
Detailed Comments : &COMMON_N12 PDU with optional information element UUI (32 octets) and CDPN			

PDU Constraint Declaration			
Constraint Name : r_status_enquiry_DSS1(CALL_REF: BIT7OR15) PDU Type : ST_ENQ_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'01110101'B		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : r_status_DSS1(CALL_REF: BIT7OR15)			
PDU Type : STATUS_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR32(CALL_REF)		
mt	'01111101'B		
cau	*		
cst	*		
dsp	*		
Detailed Comments : PDU with "don't care" values			

PDU Constraint Declaration			
Constraint Name : r_suspend_ack_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : SUSPEND_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00101101'B		
dsp	*		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_suspend_ack_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : SUSPEND_ACK_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00101101'B		
dsp	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_suspend_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : SUSPEND_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100101'B		
cid	*		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_suspend_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : SUSPEND_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments :			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100101'B		
cid	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : r_suspend_rej_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15) PDU Type : SUSPEND_REJ_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : SUSPEND REJECT u <- n local			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		protocol discriminator M
cr	c_dss1_CR18 (CALL_REF)		call reference M OCTETSTRING[1..3]
mt	'00101101'B		message type M
cau	*		Cause C OCTETSTRING[2..5]
dsp	*		display (n ->u) O OCTETSTRING[2..3]
Detailed Comments : &COMMON_N10			

PDU Constraint Declaration			
Constraint Name : r_user_info_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : UI_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100000'B		
md	*		
uui	c_dss1_UUI1 (33, TSC_UUI_32)		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : s_user_info_DSS1(FLAG:INTEGER; CALL_REF:BIT7OR15)			
PDU Type : UI_PDU			
Derivation Path :			
Encoding Rule Name :			
Encoding Variation :			
Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	'00001000'B		
cr	c_dss1_CR18 (CALL_REF)		
mt	'00100000'B		
md	—		
uui	c_dss1_UUI1 (33, TSC_UUI_32)		
Detailed Comments :			

CM Constraint Declaration		
Constraint Name : CM_go_ahead		
CM Type : CM_GO_AHEAD		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
continue_indicator	TRUE	** [5] Changed BM 100899**
Detailed Comments :		

CM Constraint Declaration		
Constraint Name : CM_go_ahead1		
CM Type : CM_GO_AHEAD		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
continue_indicator	FALSE	** [5] Changed BM 100899**
Detailed Comments :		

CM Constraint Declaration		
Constraint Name : CM_go_ahead2		
CM Type : CM_GO_AHEAD		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
continue_indicator	FALSE	** [5] Changed BM 100899**
Detailed Comments :		

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_1					
Group : CLIP/					
Purpose : To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "network provided" and the presentation restricted indicator set to "presentation allowed".					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CgPN	(P)	1.
2		+SS_1_1("Calling party number (network provided)")			
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.ScrI=netw_provided) AND (R_IAM.isup_pdu.CgPN.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access without calling party number or invalid calling party number (not accepted by the network).					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_2

Group : CLIP/

Purpose : To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "network provided" and an access transport parameter containing the calling party sub-address.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the calling party has subscribed to SUB.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_2 ("Calling party number (network provided) with calling sub-address")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.CgPN.ScrI=netw_provided] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN(TSP_Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

-----setup-----> -----IAM----->

:

1. Set up a call from the access without calling party number or wrong calling party number (not accepted by the network) and with a calling sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_3					
Group : CLIP/					
Purpose : To verify that the IUT can successfully originate a call having the calling party number with the screening indicator set to "user provided, verified and passed".					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CgPN	(P)	1.
2		+SS_1_3 ("Calling party number (user provided, verified and passed)")			
3		LAB? R_IAM [R_IAM.isup_pdu.CgPN.ScrI=user_provided] (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_4

Group : CLIP/

Purpose : To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "user provided, verified and passed" and an access transport parameter containing the calling sub-address.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the calling party has subscribed to SUB.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_4("Calling party number (user provided, verified and passed) with calling sub-address")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.CgPN.ScrI=user_provided] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN(TSP _Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

-----setup-----> -----IAM----->

:

1. Set up a call from the access with a correct calling party number (within range) and with a calling sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_5 Group : CLIP/ Purpose : To verify that the IUT can successfully originate a call having a default calling party number with the screening indicator set to "network provided" and a generic number containing the additional calling party number with the screening indicator set to "user provided, not verified". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that there is a special arrangement from the access signalling system regarding an additional calling party number.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_5 ("Calling party number (user provided, not verified)")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.ScrI=netw_provided) AND (R_IAM.isup_pdu.GenNb.ScrI=user_provided_nov)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access with a special calling party number.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_6					
Group : CLIP/					
Purpose : To verify that the IUT can successfully originate a call having a default calling party number with the screening indicator set to "network provided", a generic number containing the additional calling party number with the screening indicator set to "user provided, not verified" and an access transport parameter containing the calling sub-address.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 3.5.2.1.1 ; Table 3.1 /Q.731					
PRE-TEST CONDITIONS :					
Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional calling party number and that the calling party has subscribed to the sub-addressing supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_1_6("Calling party number (user provided, not verified) with calling sub-address")			
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.ScrI=netw_provided) AND (R_IAM.isup_pdu.GenNb.ScrI=user_provided_nov)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN_GenNb(TSP_Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB					
-----setup-----> -----IAM----->					
:					

1. Set up a call from the access with a special calling party number and a calling sub-address.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_7_a

Group : CLIP/

Purpose	: To verify that a calling party number and additional calling party number in the generic number can be successfully transferred to the succeeding exchange.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.4 ; 3.5.2.2.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_7_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN	(P)	2.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:

1. The PTC will initiate a call set up with the expected parameters.
2. CgPN only.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_7_b Group : CLIP/ Purpose : To verify that a calling party number and additional calling party number in the generic number can be successfully transferred to the succeeding exchange. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 3.4 ; 3.5.2.2.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_7_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb	(P)	2.
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> : <hr/> 1. The PTC will initiate a call set up with the expected parameters. 2. CgPN and add.CgPN in GenNb.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_8

Group : CLIP/

Purpose : To verify that the calling party number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed".

Note: This bilateral agreement prohibits the transferral of the calling party number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a CLIR test.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in IUT so that the calling party number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_8			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 :

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_9

Group : CLIP/

Purpose : To verify that the additional calling party number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed".

Note: This bilateral agreement prohibits the transferral of the calling party number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a CLIR test.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in IUT so that the additional calling party number in the generic number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_9			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 :

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_10 Group : CLIP/ Purpose : To verify that the calling party number is omitted, if the address presentation restricted indicator is set to "address not available". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 3.5.2.3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_10			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	1.
4		+S_ACM_etc_BA			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> SPC SPA SPB </div> <div style="margin-top: 10px;"> <p>-----IAM-----> -----IAM-----></p> <p>:</p> </div> <hr style="width: 60%; margin-top: 20px;"/> <p>1. The PTC will initiate a call set up with the expected parameters.</p>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_12

Group : CLIP/

Purpose	: To verify that the IUT can convert the calling party number into an international number, setting the nature of address indicator to "international number" and can pass on the address presentation restricted indicator and the screening indicator transparently.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_12			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.ScrI=netw_provided) AND (R_IAM.isup_pdu.CgPN.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_AdSg(TS O_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_13

Group : CLIP/

Purpose	: To verify that the IUT can convert the additional calling party number in the generic number into an international number, if the numbering plan indicator is "ISDN Telephony", setting the nature of address indicator to "international number" and can pass on the address presentation restricted indicator and the screening indicator transparently.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_13			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.GenNb.ScrI=user_provided_nov) AND (R_IAM.isup_pdu.GenNb.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb_A dSg(TSO_r_fwd(TSP_Nb_ C_default),TSO_r_fwd(TS P_GenNb_C), TSO_r_fwd_NatAdrl())	(P)	
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> : <hr/> 1. The PTC will initiate a call set up with the expected parameters.					

Test Case Dynamic Behaviour

Test Case Name : ISS_I_1_14

Group : CLIP/

Purpose	: To verify that the calling party number is discarded, if it is received with the calling party number incomplete indicator set to "incomplete".
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.2 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_14			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_1_15					
Group : CLIP/					
Purpose : To verify that the country code in the address signals of the calling party number is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number". The address presentation restricted indicator shall be transferred transparently.					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 3.5.2.4.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CgPN_AdSg(TS O_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	1.
2		+SS_1_15			
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.Scrl=netw_provided) AND (R_IAM.isup_pdu.CgPN.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			
Detailed Comments : SPC International SPA National SPB -----IAM-----> -----IAM-----> : <hr/> 1. The PTC will initiate a call set up with the expected parameters.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_16

Group : CLIP/

Purpose : To verify that the country code in the address signals of the generic number coded as an "additional calling party number", if the numbering plan indicator is "ISDN Telephony" is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number". The address presentation restricted indicator shall be transferred transparently.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16			
3		LAB? R_IAM [R_IAM.isup_pdu.GenNb.APRI=allowed] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb_A dSg(TSO_r_fwd(TSP_Nb_ C_default),TSO_r_fwd(TS P_GenNb_C),TSO_r_fwd_ NatAdrl())	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 :

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_1_19

Group : CLIP/

Purpose	: To verify that a call diverting exchange shall also forward the calling party number and the generic number containing the additional calling party number.
----------------	---

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.6.10.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the called user has activated call forwarding busy (CFB).

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_19			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_RgNb_RnI nf_OriCdNb_GenNb	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC	SPA	SPB
-------------------------	-----	-----

-----IAM-----> -----IAM----->

•

•

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_1 Group : CLIR/ Purpose : To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "network provided" and the address presentation restricted indicator set to "presentation restricted". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling party has subscribed to CLIR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_1("Restricted calling party number (network provided)")			
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.Scri=netw_provided) AND (R_IAM.isup_pdu.CgPN.APRI=restricted)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN	(P)	1.
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access without calling party number or wrong calling party number (not accepted by the network).					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_2 Group : CLIR/ Purpose : To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "network provided", the address presentation restricted indicator set to "presentation restricted" and an access transport parameter containing the calling sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling party has subscribed to CLIR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_2 ("Restricted calling party number (network provided) with calling sub-address")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.CgPN.APRI='01'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN(TSP _Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : : : <hr/> 1. Set up a call from the access without calling party number or wrong calling party number (not accepted by the network) and with a calling sub-address.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_3 Group : CLIR/ Purpose : To verify that the IUT can successfully originate a call having the calling party number with the screening indicator set to "user provided, verified and passed" and the address presentation restricted indicator set to "presentation restricted". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling party has subscribed to CLIR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_3 ("Restricted calling party number (user provided, verified and passed)")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.APRI=restricted) AND (R_IAM.isup_pdu.CgPN.ScrI=user_provided)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access with a correct calling party number (within range) .					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_2_4

Group : CLIR/

Purpose	: To verify that the IUT can successfully originate a call having a calling party number with the screening indicator set to "user provided, verified and passed", the address presentation restricted indicator set to "presentation restricted" and an access transport parameter containing the calling sub-address.
----------------	---

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 4.5.2.1.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the calling party has subscribed to CLIR and SUB.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_4("Calling party number (user provided, verified and passed) with calling sub-address")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.APRI='01'B) AND (R_IAM.isup_pdu.CgPN.ScrI='01'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN(TSP_Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			

Detailed Comments : SPC SPA SPB

```
-----setup-----> -----IAM----->
```

•

1. Set up a call from the access with a correct calling party number (within range) and with a calling sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_5 Group : CLIR/ Purpose : To verify that the IUT can successfully originate a call having a default calling party number with the screening indicator set to "network provided" and a generic number containing the additional calling party number with the screening indicator set to "user provided, not verified", both having the address presentation restricted indicator set to "presentation restricted". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional calling party number and that the calling user has subscribed to CLIR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_5 ("Restricted calling party number (user provided, not verified)")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.APRI=restricted) AND (R_IAM.isup_pdu.CgPN.Scrl=netw_provided) AND (R_IAM.isup_pdu.GenNb.APRI=restricted) AND (R_IAM.isup_pdu.GenNb.Scrl=user_provided_nov)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : _____ 1. Set up a call from the access with a special calling party number.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_6 Group : CLIR/ Purpose : To verify that the IUT can successfully originate a call having a default calling party number with the screening indicator set to "network provided", a generic number containing the additional calling party number with the screening indicator set to "user provided, not verified", both having the address presentation restricted indicator set to "presentation restricted" and an access transport parameter containing the calling sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional calling party number and that the calling party has subscribed to CLIR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_6("Restricted calling party number (user provided, not verified)")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.APRI=restricted) AND (R_IAM.isup_pdu.CgPN.Scrl=netw_provided) AND (R_IAM.isup_pdu.GenNb.APRI=restricted) AND (R_IAM.isup_pdu.GenNb.Scrl=user_provided_nov)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN_GenNb(TSP_Sub_A)	(P)	
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : : :					

Continued on next page

Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <ol style="list-style-type: none"> 1. Set up a call from the access with a special calling party number and a calling sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_7_a					
Group : CLIR/					
Purpose : To verify that the address presentation restricted indicator in the calling party number and in the generic number are transferred successfully to the succeeding exchange.					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 4.5.2.2.1/Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_7_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.CgPN.APRI=restricted] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN	(P)	2.
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> : <hr/> 1. The PTC will initiate a call set up with the expected parameters. 2. CgPN only.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_7_b Group : CLIR/ Purpose : To verify that the address presentation restricted indicator in the calling party number and in the generic number are transferred successfully to the succeeding exchange. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.2.1/Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_7_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.CgPN.APRI=restricted) AND (R_IAM.isup_pdu.GenNb.APRI=restricted)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb	(P)	2.
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> : <hr/> 1. The PTC will initiate a call set up with the expected parameters. 2. CgPN and add.CgPN in GenNb.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_2_8

Group : CLIR/

Purpose	: To verify that the calling party number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted".
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 ; 4.5.2.3.2 ; 4.6.5 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in IUT so that the calling party number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_8			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:
:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_2_9

Group : CLIR/

Purpose	: To verify that the additional calling party number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted".
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 3.5.2.3.1 ; 4.5.2.3.2; 4.6.5 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in IUT so that the additional calling party number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_9			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_CgPN	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_10 Group : CLIR/ Purpose : To verify that the information conveyed in an incoming call (especially the calling party number and the additional calling party number in the generic number) is registered in the network regardless of whether the calling user has activated the CLIR service or not, if the called user has MCID activated. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.6.20 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has activated MCID on a permanent basis.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_2_10 ("Presentation of the address – interaction with MCID")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B, S_IAM.isup_pdu.GenNb.APRI:='01'B)	IAM_BA_CdPN_CgPN_GenNb(cic, TSP_Nb_A)		1.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : <hr/> 1. Set up a call to the access with CgPN and add.CgPN in the GenNb.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_2_11					
Group : CLIR/					
Purpose : To verify that the calling party number and the additional calling party number in the generic number are passed to the access regardless of whether the calling user has activated the CLIR service or not if the called user has the override category.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 4.2.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has the override category.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_2_11 ("Presentation of the address – called party has override category")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B, S_IAM.isup_pdu.GenNb.APRI:='01'B)	IAM_BA_CdPN_CgPN_GenNb(cic, TSP_Nb_A)	(P)	
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_1 Group : COLP/ Purpose : To verify that the exchange can initiate successfully a call requesting the COLP service in the optional forward call indicators. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling party subscribes to COLP.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_1 ("Initiate COLP request")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCl	(P)	
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSP_Nb_B, national)		
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access with a COLP request.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_2_a Group : COLP/ Purpose : To verify that the IUT passes on transparently the information related to the COLP supplementary service in the optional forward call indicators (forward direction) and the connected number (backward direction). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.2.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_2_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI	(P)	
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- : <hr/> 1. The PTC will initiate a call set up with the expected parameters.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_2_b					
Group : COLP/					
Purpose : To verify that the IUT passes on transparently the information related to the COLP supplementary service in the optional forward call indicators (forward direction) and the connected number (backward direction).					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.2.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_2_b			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_OFCI(cic)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----ACM-----> -----ACM-----> ... ringing tone ... -----ANM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. The PTC will assist a call set up with the expected parameters.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_2_c

Group : COLP/

Purpose	: To verify that the IUT passes on transparently the information related to the COLP supplementary service in the optional forward call indicators (forward direction) and the connected number (backward direction).
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.2.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_2_c			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_OFCI(cic)		
5		LAB? R_CON	CON_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB

<-----IAM-----<-----IAM-----

-----CON----->-----CON----->

.

1. The PTC will assist a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_3_a Group : COLP/ Purpose : To verify that the country code in the address signals of the connected number is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number", the address presentation restricted indicator and the screening indicator shall be transferred transparently. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_3_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- : -----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb to be passed on having AdSg: TSP_Nb_B with own country code.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_3_b

Group : COLP/

Purpose : To verify that the country code in the address signals of the connected number is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number", the address presentation restricted indicator and the screening indicator shall be transferred transparently.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.3.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_3_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 <-----CON----- <-----CON-----
 :

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb to be passed on having AdSg: TSP_Nb_B with own country code.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_4_a Group : COLP/ Purpose : To verify that the country code in the address signals of the generic number coded as an "additional connected number", if the numbering plan indicator is "ISDN Telephony" is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number", the address presentation restricted indicator and the screening indicator shall be transferred transparently. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_4_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb_GenNb _AdSg(cic,TSO_s_bwd(TS P_Nb_B_default),TSO_s_ bwd(TSP_GenNb_B), TSO_s_bwd_NatAdrl())		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----ANM----- <-----ANM-----
:

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide ConNb: TSP_Nb_B_default and addConNb in GenNb: TSP_GenNb_B to be passed on, both international numbers with the network's own country code.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_4_b

Group : COLP/

Purpose : To verify that the country code in the address signals of the generic number coded as an "additional connected number", if the numbering plan indicator is "ISDN Telephony" is removed if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number", the address presentation restricted indicator and the screening indicator shall be transferred transparently.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.3.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_4_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb_GenNb _AdSg(cic,TSO_s_bwd(TS P_Nb_B_default),TSO_s_ bwd(TSP_GenNb_B), TSO_s_bwd_NatAdrl())		2.
5		+R_REL_etc_AB			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC National SPA International SPB
 -----IAM-----> -----IAM----->
 <-----CON----- <-----CON-----
 :

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb: TSP_Nb_B_default and addConNb in GenNb: TSP_GenNb_B to be passed on, both international numbers with the network's own country code.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_3_5_a Group : COLP/ Purpose : To verify that a prefix is added to the connected number and the nature of address indicator is set to "unknown". Note: The coding "unknown" is a national option (@). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.3.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_5_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		(TCV_otherCC:=TRUE)			
7		LAB! S_ANM	ANM_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2.
8		+S_REL_etc_BA			
9		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide an international ConNb with a different country code than the incoming network (foreign CC).

Test Case Dynamic Behaviour

Test Case Name : ISS_I_3_5_b

Group : COLP/

Purpose	: To verify that a prefix is added to the connected number and the nature of address indicator is set to "unknown". Note: The coding "unknown" is a national option (@).
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.3.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_5_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		(TCV_otherCC:=TRUE)			
5		LAB! S_CON	CON_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2
6		+S_REL_etc_BA			
7		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

<-----CON----- <-----CON-----

:

1. The PTC will initiate a call set up with the expected parameters.
2. Provide an international ConNb with a different country code than the incoming network (foreign CC).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_6_a

Group : COLP/

Purpose	: To verify that the connected number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed".
----------------	--

Note: This bilateral agreement prohibits the transferral of the connected number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a COLR test.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the connected number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_6_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSP_Nb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

<-----ACM----- <-----ACM-----

... ringing tone ...

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ANM----- <-----ANM-----

:

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide ConNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_6_b

Group : COLP/

Purpose : To verify that the connected number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed".

Note: This bilateral agreement prohibits the transferral of the connected number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a COLR test.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the connected number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_6_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb(cic, TSP_Nb_B, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB

```

-----IAM-----> -----IAM----->
<-----CON----- <-----CON-----
:

```

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide ConNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_7_a

Group : COLP/

Purpose : To verify that the additional connected number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed".

Note: This bilateral agreement prohibits the transferral of the additional connected number in the generic number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a COLR test

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the additional connected number in the generic number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_7_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic, TSP_GenNb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Detailed Comments : SPC

SPA

SPB

-----IAM-----> -----IAM----->
 <-----ACM----- <-----ACM-----

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----ANM----- <-----ANM-----
:

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide ConNb and addConNb in the GenNb to be discarded.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_7_b Group : COLP/ Purpose : To verify that the additional connected number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation allowed". Note: This bilateral agreement prohibits the transferral of the additional connected number in the generic number in any case. The test with the address presentation restricted indicator set to "presentation restricted" is a COLR test Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.4.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the additional connected number in the generic number is discarded.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_7_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb_GenNb(cic, TSP_GenNb_B, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----CON----- <-----CON----- : 					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb and addConNb in the GenNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_8_a

Group : COLP/

Purpose : To verify that for a connected number which is not to be released to the originating network the setting of the address presentation restricted indicator can be changed from "presentation allowed" to "address not available", and that the address signals are reset.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_8_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSP_Nb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Detailed Comments :

SPC	SPA	SPB
-----IAM----->	-----IAM----->	
<-----ACM-----	<-----ACM-----	
... ringing tone ...		
<-----ANM-----	<-----ANM-----	
:		

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb to be reset ('address not available').

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_8_b

Group : COLP/

Purpose	: To verify that for a connected number which is not to be released to the originating network the setting of the address presentation restricted indicator can be changed from "presentation allowed" to "address not available", and that the address signals are reset.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_8_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb(cic, TSP_Nb_B, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments :

SPC	SPA	SPB
-----IAM----->	-----IAM----->	
<-----CON-----	<-----CON-----	
:		

1. The PTC will initiate a call set up with the expected parameters.
2. Provide ConNb to be reset ('address not available').

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_9_a

Group : COLP/

Purpose	: To verify that the exchange can convert the connected number into an international number, setting the nature of address indicator to "international number" and can pass on the address presentation restricted indicator and the screening indicator transparently.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_9_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- : <hr style="width: 50%; margin-left: 0;"/>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide national (significant) ConNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_9_b

Group : COLP/

Purpose	: To verify that the exchange can convert the connected number into an international number, setting the nature of address indicator to "international number" and can pass on the address presentation restricted indicator and the screening indicator transparently.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_9_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON	CON_BA_ConNb(cic, TSO_s_bwd(TSP_Nb_B), TSO_s_bwd_NatAdrl())		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 <-----CON----- <-----CON-----
 :

1. The PTC will initiate a call set up with the expected parameters.
2. Provide national (significant) ConNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_3_10_a Group : COLP/ Purpose : To verify that the call can be successfully set up if the IUT receives an unsolicited COL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_1 ("Handling unrequested COL")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_OFCl		2.
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb(cic, TSP_Nb_B, national)		
7		+Check_communication			3.
8		+G_Release_call			
9		+Check_circuit_idle(cic)			
10		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <pre> -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----connect----- <-----ANM----- : </pre> <hr/> 1. Set up a call from the access without a COLP request.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

2. No COL request is issued.
3. Verdict is 'pass' if the call is correctly set up.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_3_10_b Group : COLP/ Purpose : To verify that the call can be successfully set up if the IUT receives an unsolicited COL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_10b ("Handling unrequested COL")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)			2.
4		LAB! S_CON	IAM_AB_NO_OFCl CON_BA_ConNb(cic, TSP_Nb_B, national)		
5		+Check_communication			3.
6		+G_Release_call			
7		+Check_circuit_idle(cic)			
8		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <pre> -----setup-----> -----IAM-----> <-----conn----- <-----CON----- : </pre> <hr/> 1. Set up a call from the access without a COLP request. 2. No COL request is issued. 3. Verdict is 'pass' if the call is correctly set up.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_3_10_c Group : COLP/ Purpose : To verify that the call can be successfully set up if the IUT receives an unsolicited COL. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_10_c			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA(cic)		2.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	3.
8		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----ACM----->-----ACM-----> ... ringing tone ... -----ANM----->-----ANM-----> : <hr/> 1. The PTC will assist a call set up with the expected parameters. 2. No COL request is sent. 3. Verdict is 'pass' if the call set up continues.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_3_10_d Group : COLP/ Purpose : To verify that the call can be successfully set up if the IUT receives an unsolicited COL. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_10_d			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA(cic)		2.
5		LAB? R_CON	CON_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	3.
6		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----CON-----> -----CON-----> : <hr/> 1. The PTC will assist a call set up with the expected parameters. 2. No COL request is sent. 3. Verdict is 'pass' if the call set up continues.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_11_a					
Group : COLP/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed", if the user provided COL is valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 i) /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_11a ("Connected number (user provided, verified and passed)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [R_ANM.isup_pdu.ConNb.ScrI=’01’B]	ANM_AB_ConNb(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call to the access with a COLP request, access provides valid COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_11_b					
Group : COLP/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed", if the user provided COL is valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 i) /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_11b ("Connected number (user provided, verified and passed)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [R_CON.isup_pdu.ConNb.ScrI=’01’B]	CON_AB_ConNb(cic)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_12_a					
Group : COLP/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed", if the user provided COL is valid. Additionally an access transport parameter containing the connected sub-address shall also be provided.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 i) /Q.731					
PRE-TEST CONDITIONS :					
Arrange the data in the IUT so that the connected party has subscribed to SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_12a ("Connected number (user provided, verified and passed) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_ATP_ConNb(cic, TSP_Sub_A)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB					
<-----setup----- <-----IAM-----					
-----alert-----> -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...

-----conn-----> -----ANM----->

:

-
1. Set up a call to the access with a COLP request, access provides valid COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_12_b Group : COLP/ Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed", if the user provided COL is valid. Additionally, an access transport parameter containing the connected sub-address shall also be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 i) /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_12b ("Connected number (user provided, verified and passed) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON	CON_AB_ATP_ConNb(cic, TSP_Sub_A)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- -----conn-----> -----CON-----> : _____ 1. Set up a call to the access with a COLP request, access provides valid COL with sub-address.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_13_a Group : COLP/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", if the user provided COL is not valid. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 ii) /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_13a ("Connected number (network provided)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCI(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [R_ANM.isup_pdu.ConNb.ScrI=netw_provided]	ANM_AB_ConNb_AdSg(c ic, TSP_Nb_A_default, national)	(P)	2.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----alert----->-----ACM-----> ... ringing tone ... -----conn----->-----ANM-----> :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call to the access with a COLP request, access provides invalid COL.
2. Scrl3 is implicit.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_13_b Group : COLP/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", if the user provided COL is not valid. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 ii) /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_13b ("Connected number (network provided)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCI(cic, TSP_Nb_A)		
5		LAB? R_CON [R_CON.isup_pdu.ConNb.Scr1=netw_provided]	CON_AB_ConNb_AdSg(cic, TSP_Nb_A_default, national)	(P)	2.
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----conn----->-----CON-----> : <hr/> 1. Set up a call to the access with a COLP request, access provides invalid COL. 2. Scr13 is implicit.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_14_a					
Group : COLP/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", if the user provided COL is not valid and an access transport parameter containing the connected sub-address.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 ii) /Q.731					
PRE-TEST CONDITIONS :					
Arrange the data in the IUT so that the connected party has subscribed to SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_14a("Connected number (network provided) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [R_ANM.isup_pdu.ConNb.ScrI=netw_provided]	ANM_AB_ATP_ConNb_A dSg(cic, TSP_Nb_A_default, TSP_Sub_A, national)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB					
<-----setup----- <-----IAM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides invalid COL with sub-address.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_3_14_b

Group : COLP/

Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", if the user provided COL is not valid and an access transport parameter containing the connected sub-address.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 5.5.2.5.1 ii) /Q.731

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the connected party has subscribed to SUB.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_14b ("Connected number (network provided) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [R_CON.isup_pdu.ConNb.Scr1=netw_provided]	CON_AB_ATP_ConNb_A dSg(cic, TSP_Nb_A_default, TSP_Sub_A, national)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

<-----setup-----<-----IAM----->

-----conn----->-----CON----->

:

1. Set up a call to the access with a COLP request, access provides valid COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_15_a					
Group : COLP/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and a generic number containing the additional connected number with the screening indicator set to "user provided, not verified".					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 iii) /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that there is a special arrangement from the access signalling system regarding an additional connected number.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_15a ("Connected number (user provided, not verified)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.ScrI=netw_provided) AND (R_ANM.isup_pdu.GenNb.ScrI=user_provided_nov)]	ANM_AB_ConNb_GenNb(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----alert-----> -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...

-----conn-----> -----ANM----->

:

-
1. Set up a call to the access with a COLP request, access provides special COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_15_b					
Group : COLP/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and a generic number containing the additional connected number with the screening indicator set to "user provided, not verified".					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 5.5.2.5.1 iii) /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that there is a special arrangement from the access signalling system regarding an additional connected number.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_15b("Connected number (user provided, not verified)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.ScrI=netw_provided) AND (R_CON.isup_pdu.GenNb.ScrI=user_provided_nov)]	CON_AB_ConNb_GenNb(cic)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- -----conn-----> -----CON-----> : _____ 1. Set up a call to the access with a COLP request, access provides special COL.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_16_a Group : COLP/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" and an access transport parameter containing the connected sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 iii) /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to the sub-addressing supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_3_16a("Connected number (user provided, not verified) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.ScrI=netw_provided) AND (R_ANM.isup_pdu.GenNb.ScrI=user_provided_nov)]	ANM_AB_ATP_ConNb_GenNb(cic, TSP_Sub_A)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides special COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_16_b Group : COLP/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided", a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" and an access transport parameter containing the connected sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 iii) /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to the sub-addressing supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_16b ("Connected number (user provided, not verified) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.Scr1=netw_provided) AND (R_CON.isup_pdu.GenNb.Scr1=user_provided_nov)]	CON_AB_ATP_ConNb_GenNb(cic, TSP_Sub_A)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----conn-----> -----CON-----> :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call to the access with a COLP request, access provides special COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_17_a Group : COLP/ Purpose : To verify that the address presentation restricted indicator in the connected number in ANM or in CON is set to "presentation restricted" or "address not available" and that the screening indicator shall be set to "network provided" if the COL cannot be transferred. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that no COL can be transferred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_17a ("COL cannot be transferred")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCI(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_ConNb_APRI2(cic)	(P)	2.
8		+S_REL_etc_BA			
9		LAB? R_ANM[(R_ANM.isup_pdu.ConNb.ScrI=netw_provided) AND (R_ANM.isup_pdu.ConNb.APRI=restricted)]	ANM_AB_ConNb(cic)	(P)	3.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access doesn't provide the COL.
 2. 'address not available' ConNb.
 3. restricted ConNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_17_b Group : COLP/ Purpose : To verify that the address presentation restricted indicator in the connected number in ANM or in CON is set to "presentation restricted" or "address not available" and that the screening indicator shall be set to "network provided" if the COL cannot be transferred. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that no COL can be transferred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_17b ("COL cannot be transferred")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCI(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_CON	CON_AB_ConNb_APRI2(cic)	(P)	2.
8		+S_REL_etc_BA			
9		LAB? R_CON [(R_CON.isup_pdu.ConNb.ScrI=netw_provided) AND (R_CON.isup_pdu.ConNb.APRI=restricted)]	CON_AB_ConNb(cic)	(P)	3.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----conn-----> -----CON----->
:

-
1. Set up a call to the access with a COLP request, access doesn't provide the COL.
 2. 'address not available' ConNb.
 3. restricted ConNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_18_a Group : COLP/ Purpose : To verify that an exchange with MSN can provide the connected party multiple subscriber number or full ISDN number as the connected number on call answer. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.6.14 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has activated the Multiple Subscriber Number (MSN) supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_18a("COLP – interaction with MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_ConNb_AdSg(cic, TSP_Nb_A, national)	(P)	2.
8		+S_REL_etc_BA			
9		LAB? R_ANM	ANM_AB_ConNb_AdSg(cic, TSP_Nb_A_MSN, national)	(P)	2.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** access SPA SPB

<-----setup----- <-----IAM-----

-----alert-----> -----ACM----->

... ringing tone ...

-----conn-----> -----ANM----->

:

-
1. Set up a call to the access with a COLP request.
 2. ConNb – full ISDN number; ConNb.AdSg: TSP_Nb_A
ConNb2 – multiple subscriber number ; ConNb2.AdSg: TSP_Nb_A_MSN

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_3_18_b Group : COLP/ Purpose : To verify that an exchange with MSN can provide the connected party multiple subscriber number or full ISDN number as the connected number on call answer. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 5.6.14 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has activated the Multiple Subscriber Number (MSN) supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_3_18b ("COLP – interaction with MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON	CON_AB_ConNb_AdSg(cic, TSP_Nb_A, national)	(P)	2.
6		+S_REL_etc_BA			
7		LAB? R_CON	CON_AB_ConNb_AdSg(cic, TSP_Nb_A_MSN, national)	(P)	2.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----conn-----> -----CON----->
:

-
1. Set up a call to the access with a COLP request.
 2. ConNb – full ISDN number; ConNb.AdSg: TSP_Nb_A
ConNb2 – multiple subscriber number ; ConNb2.AdSg: TSP_Nb_A_MSN

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_1_a Group : COLR/ Purpose : To verify that a local exchange will not pass the information on to the access signalling system when a connected number is received in the ANM or CON and its address presentation restricted indicator is set to "presentation restricted" , i.e. that presentation is denied on the user-network interface (UNI). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to COLP.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_1a("Presentation of restricted COL")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRq = '1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.ConNb.APRI:= '01'B)	ANM_BA_ConNb(cic, TSP_Nb_B, national)		
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			2.
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>SPA</div> <div>SPB</div> </div> <pre> -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----connect----- <-----ANM----- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. Set up a call from the access with a COLP request.
 2. The possible verdicts from observations on access are 'failed' or 'inconclusive' .

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_1_b Group : COLR/ Purpose : To verify that a local exchange will not pass the information on to the access signalling system when a connected number is received in the ANM or CON and its address presentation restricted indicator is set to "presentation restricted" , i.e. that presentation is denied on the user-network interface (UNI). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.1.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to COLP.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_1b("Presentation of restricted COL")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCl		
4		LAB! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B)	CON_BA_ConNb(cic, TSP_Nb_B, national)		
5		+S_REL_etc_BA			
6		+G_Verdict_A_PTC			2.
Detailed Comments : SPC SPA SPB <pre> -----setup-----> -----IAM-----> <-----connect----- <-----CON----- : </pre> <hr/> 1. Set up a call from the access with a COLP request. 2. The possible verdicts from observations on access are 'failed' or 'inconclusive'					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_4_2_a Group : COLR/ Purpose : To verify that the received connected number and additional connected number in the generic number can be conveyed successfully to an "override category" calling user, if the called user has activated the Connected Line Presentation Restriction (COLR) supplementary service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.1.2 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user has an "override category".					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_2a("Presentation of restricted COL to override category calling user")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B, S_ANM.isup_pdu.GenNb.APRI:='01'B)	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			3.
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">SPA</div> <div style="text-align: center;">SPB</div> </div> <pre> -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----connect----- <-----ANM-----
:

-
1. Set up a call from the access with a COLP request.
 2. ConNb and add.ConNb in GenNb.
 3. The possible verdicts from observations on access are 'failed' or 'inconclusive'

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_4_2_b Group : COLR/ Purpose : To verify that the received connected number and additional connected number in the generic number can be conveyed successfully to an "override category" calling user, if the called user has activated the Connected Line Presentation Restriction (COLR) supplementary service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.1.2 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user has an "override category".					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_2b("Presentation of restricted COL to override category calling user")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B, S_CON.isup_pdu.GenNb.APRI:='01'B)	CON_BA_ConNb_GenNb(cic,TSP_GenNb_B, national)		
5		+S_REL_etc_BA			
6		+G_Verdict_A_PTC			2.
Detailed Comments : SPC SPA SPB -----setup-----> -----IAM-----> <-----connect-----< -----CON----- : _____					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from the access with a COLP request.
2. The possible verdicts from observations on access are 'failed' or 'inconclusive'.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_4_3_a

Group : COLR/

Purpose	: To verify that the IUT shall pass transparently all information related to the COLR supplementary service in the address presentation restricted indicator of the connected number and additional connect number in the generic number.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.2.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_3_a			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_BA_OFCl(cic)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [R_ANM.isup_pdu.ConNb.APRI=restricted]	ANM_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	
8		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM-----> <-----IAM-----> -----ACM-----> -----ACM-----> ... ringing tone ... -----ANM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. The PTC will assist a call set up with the expected parameters.
 2. ConNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_4_3_b

Group : COLR/

Purpose	: To verify that the IUT shall pass transparently all information related to the COLR supplementary service in the address presentation restricted indicator of the connected number and additional connect number in the generic number.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.2.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_3_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_OFCI(cic)		
5		LAB? R_CON [R_CON.isup_pdu.ConNb.APRI=restricted]	CON_AB_ConNb_AdSg(cic, TSO_r_bwd(TSP_Nb_C), TSO_r_bwd_NatAdrl())	(P)	
6		+S_REL_etc_BA			

Detailed Comments : SPC SPA SPB

```

<-----IAM-----<-----IAM-----
-----CON----->-----CON----->
:

```

1. The PTC will assist a call set up with the expected parameters.
2. ConNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_4_3_c

Group : COLR/

Purpose : To verify that the IUT shall pass transparently all information related to the COLR supplementary service in the address presentation restricted indicator of the connected number and additional connect number in the generic number.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.2.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_3_c			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_OFCI(cic)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.APRI=restricted) AND (R_ANM.isup_pdu.GenNb.APRI=restricted)]	ANM_AB_ConNb_GenNb _AdSg(cic,TSO_r_bwd(TSP_Nb_C_default),TSO_r_bwd(TSP_GenNb_C), TSO_r_bwd_NatAdrl())	(P)	2.
8		+S_REL_etc_BA			

Detailed Comments : SPC SPA SPB

```

<-----IAM-----<-----IAM-----
-----ACM----->-----ACM----->
... ringing tone ...

```

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----ANM-----> -----ANM----->
:

-
1. The PTC will assist a call set up with the expected parameters.
 2. ConNb and add.ConNb in GenNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_3_d Group : COLR/ Purpose : To verify that the IUT shall pass transparently all information related to the COLR supplementary service in the address presentation restricted indicator of the connected number and additional connect number in the generic number. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.2.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_3_d			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_OFCI(cic)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.APRI=restricted) AND (R_CON.isup_pdu.GenNb.APRI=restricted)]	CON_AB_ConNb_GenNb _AdSg(cic,TSO_r_bwd(TSP_Nb_C_default),TSO_r_bwd(TSP_GenNb_C), TSO_r_bwd_NatAdrl())	(P)	2.
6		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----CON-----> -----CON-----> : <hr/> 1. The PTC will assist a call set up with the expected parameters. 2. ConNb and add.ConNb in GenNb.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_4_a Group : COLR/ Purpose : To verify that the connected number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.4.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that the connected number is discarded.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_4_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B)	ANM_BA_ConNb(cic, TSP_Nb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide restricted ConNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_4_4_b

Group : COLR/

Purpose : To verify that the connected number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.4.1 /Q.731
PRE-TEST CONDITIONS :
Arrange the data in IUT so that the connected number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_4_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B)	CON_BA_ConNb(cic, TSP_Nb_B, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 <-----CON----- <-----CON-----
 :

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide restricted ConNb to be discarded.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_5_a Group : COLR/ Purpose : To verify that the additional connected number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.4.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that the additional connected number in the generic number is discarded.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_5_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B, S_ANM.isup_pdu.GenNb.APRI:='01'B)	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide restricted ConNb and restricted add.ConNb in GenNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_4_5_b

Group : COLR/

Purpose : To verify that the additional connected number in the generic number is discarded in case of bilateral agreements, if the address presentation restricted indicator is set to "presentation restricted".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.4.1 /Q.731

PRE-TEST CONDITIONS :

Arrange the data in IUT so that the additional connected number in the generic number is discarded.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_5_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B, S_CON.isup_pdu.GenNb.APRI:='01'B)	CON_BA_ConNb_GenNb(cic, TSP_GenNb_B, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC

SPA

SPB

```

-----IAM----->  -----IAM----->
<-----CON-----  <-----CON-----
:

```

1. The PTC will initiate a call set up with the expected parameters.

2. Provide restricted ConNb and restricted add.ConNb in GenNb to be discarded.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_4_6_a

Group : COLR/

Purpose : To verify that for a connected number which is not to be released to the originating network the setting of the address presentation restricted indicator can be changed from "presentation restricted" to "address not available" and that the address signals are reset.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_6_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B)	ANM_BA_ConNb(cic,TSP _Nb_B, national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Detailed Comments :

SPC	SPA	SPB
-----IAM----->	-----IAM----->	
<-----ACM-----	<-----ACM-----	
... ringing tone ...		
<-----ANM-----	<-----ANM-----	
:		

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The PTC will initiate a call set up with the expected parameters.
2. Provide restricted ConNb to be reset.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_4_6_b

Group : COLR/

Purpose : To verify that for a connected number which is not to be released to the originating network the setting of the address presentation restricted indicator can be changed from "presentation restricted" to "address not available" and that the address signals are reset.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 6.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_6_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI		
4		LAB! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B)	CON_BA_ConNb(cic, TSP_Nb_C, national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->
 <-----CON----- <-----CON-----
 :

-
1. The PTC will initiate a call set up with the expected parameters.
 2. Provide restricted ConNb to be reset.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_7_a					
Group : COLR/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_7a("Restricted connected number (user provided, verified and passed)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.ScrI=01'B) AND (R_ANM.isup_pdu.ConNb.APRI=01'B)]	ANM_AB_ConNb(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB 					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides valid COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_7_b					
Group : COLR/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_7b ("Restricted connected number (user provided, verified and passed)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.Scr1=01'B) AND (R_CON.isup_pdu.ConNb.APRI=01'B)]	CON_AB_ConNb(cic)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_8_a Group : COLR/ Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is valid. Additionally, an access transport parameter containing the connected sub-address shall also be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_8a ("Restricted connected number (user provided, verified and passed) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.Scr1=user_provided) AND (R_ANM.isup_pdu.ConNb.APRI=restricted)]	ANM_AB_ATP_ConNb_A dSg(cic, TSP_Nb_A, TSP_Sub_A, national)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides valid COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_8_b					
Group : COLR/					
Purpose : To verify that the IUT can provide a connected number with the screening indicator set to "user provided, verified and passed" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is valid. Additionally, an access transport parameter containing the connected sub-address shall also be provided.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_8b ("Restricted connected number (user provided, verified and passed) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.Scr1=user_provided) AND (R_CON.isup_pdu.ConNb.APRI=restricted)]	CON_AB_ATP_ConNb_A dSg (cic, TSP_Nb_A, TSP_Sub_A, national)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call to the access with a COLP request, access provides valid COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_9_a					
Group : COLR/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is not valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to the COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_9a ("Restricted connected number (network provided)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.APRI='01'B) AND (R_ANM.isup_pdu.ConNb.ScrI='11'B)]	ANM_AB_ConNb(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----alert-----> -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...

-----conn-----> -----ANM----->

:

-
1. Set up a call to the access with a COLP request, access provides invalid COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_9_b					
Group : COLR/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is not valid.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed to the COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_9b ("Restricted connected number (network provided)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.APRI='01'B) AND (R_CON.isup_pdu.ConNb.ScrI='11'B)]	CON_AB_ConNb(cic)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_10_a Group : COLR/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is not valid. Additionally, an access transport parameter containing the connected sub-address shall also be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_10a ("Restricted connected number (network provided) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.Scr1=netw_provided) AND (R_ANM.isup_pdu.ConNb.APRI=restricted)]	ANM_AB_ATP_ConNb_A dSg(cic, TSP_Nb_A, TSP_Sub_A, national)	(P)	2.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** access SPA SPB

<-----setup----- <-----IAM-----

-----alert-----> -----ACM----->

... ringing tone ...

-----conn-----> -----ANM----->

:

-
1. Set up a call to the access with a COLP request, access provides invalid COL with sub-address.
 2. Scrl3 is implicit.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_10_b Group : COLR/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and with the address presentation restricted indicator set to "presentation restricted", if the user provided COL is not valid. Additionally, an access transport parameter containing the connected sub-address shall also be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the connected party has subscribed COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_10b("Restricted connected number (network provided) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.Scr1=netw_provided) AND (R_CON.isup_pdu.ConNb.APRI=restricted)]	CON_AB_ATP_ConNb_A dSg(cic, TSP_Nb_A, TSP_Sub_A, national)	(P)	2.
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----conn-----> -----CON-----> :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call to the access with a COLP request, access provides invalid COL with sub-address.
2. Scrl3 is implicit.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_11_a Group : COLR/ Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" – both having the address presentation restricted indicator set to "presentation restricted". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_10a("Restricted connected number (user provided, not verified)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.APRI=restricted) AND (R_ANM.isup_pdu.ConNb.ScrI=netw_provided) AND (R_ANM.isup_pdu.GenNb.ScrI=user_provided_nov) AND (R_ANM.isup_pdu.GenNb.APRI=restricted)]	ANM_AB_ConNb_GenNb(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides special COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_11_b					
Group : COLR/					
Purpose : To verify that the IUT can provide a default connected number with the screening indicator set to "network provided" and a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" – both having the address presentation restricted indicator set to "presentation restricted".					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to COLR.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_10b ("Restricted connected number (user provided, not verified")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.APRI=restricted) AND (R_CON.isup_pdu.ConNb.ScrI=netw_provided) AND (R_CON.isup_pdu.GenNb.ScrI=user_provided_nov) AND (R_CON.isup_pdu.GenNb.APRI=restricted)]	CON_AB_ConNb_GenNb(cic)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. Set up a call to the access with a COLP request, access provides special COL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_12_a Group : COLR/ Purpose : To verify that the IUT can provide a default calling party number with the screening indicator set to "network provided", a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" – both having the address presentation restricted indicator set to "presentation restricted" and additionally an access transport parameter containing the connected sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_4_10a ("Restricted connected number (user provided, not verified) with connected sub-address")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM [(R_ANM.isup_pdu.ConNb.APRI=restricted) AND (R_ANM.isup_pdu.ConNb.ScrI=netw_provided) AND (R_ANM.isup_pdu.GenNb.ScrI=user_provided_nov) AND (R_ANM.isup_pdu.GenNb.APRI=restricted)]	ANM_AB_ATP_ConNb_GenNb(cic, TSP_Sub_A)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
:

-
1. Set up a call to the access with a COLP request, access provides special COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_4_12_b Group : COLR/ Purpose : To verify that the IUT can provide a default calling party number with the screening indicator set to "network provided", a generic number containing the additional connected number with the screening indicator set to "user provided, not verified" – both having the address presentation restricted indicator set to "presentation restricted" and additionally an access transport parameter containing the connected sub-address. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 6.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in IUT so that there is a special arrangement from the access signalling system regarding an additional connected number and that the connected party has subscribed to COLR and SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_4_10b ("Restricted connected number (user provided, not verified) with connected sub-address")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_BA_CdPN_OFCl(cic, TSP_Nb_A)		
5		LAB? R_CON [(R_CON.isup_pdu.ConNb.APRI=restricted) AND (R_CON.isup_pdu.ConNb.ScrI=netw_provided) AND (R_CON.isup_pdu.GenNb.ScrI=user_provided_nov) AND (R_CON.isup_pdu.GenNb.APRI=restricted)]	CON_AB_ATP_ConNb_GenNb(cic, TSP_Sub_A)	(P)	
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----conn-----> -----CON----->
:

-
1. Set up a call to the access with a COLP request, access provides special COL with sub-address.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_1 Group : TP/ Purpose : To verify that the calling party can suspend and resume an outgoing call and that user initiated SUS and RES messages are sent to the succeeding exchange. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 a) /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling party subscribes to the Terminal portability service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_1			
3		+Active_call_AB			1.
4		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResl='0'B]	SUS_AB(cic)	(P)	2.
5		LAB? R_RES [R_RES.isup_pdu.SusRes.SusResl='0'B]	RES_AB(cic)	(P)	3.
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... -----tprequest-----> -----SUS-----> -----tpresume-----> -----RES-----> :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from SPA to SPB.
2. Suspend the call by the calling party (ISDN subscriber).
3. Resume the call by the calling party (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_2 Group : TP/ Purpose : To verify that IUT informs the calling party that a suspend and a resume have been requested by the called party upon receipt of user initiated SUS and RES messages. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.1 b) /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_2			
3		+Active_call_AB			1.
4		LAB! S_SUS (S_SUS.isup_pdu.SusRes.SusResI:='0'B)	SUS_BA(cic)		2.
5		+Wait_T_WAIT			
6		I_CP? CM_GO_AHEAD	CM_go_ahead		
7		LAB! S_RES (S_RES.isup_pdu.SusRes.SusResI:='0'B)	RES_BA(cic)		3.
8		I_CP? CM_GO_AHEAD	CM_go_ahead		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert-----<-----ACM----- ... ringing tone ... <-----conn-----<-----ANM----- ... check communication ... <-----tprequest-----<-----SUS-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----tpresume----- <-----RES-----

:

-
1. Set up a call from SPA to SPB.
 2. Suspend the call by the called party (ISDN subscriber).
 3. Resume the call by the called party (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_5_3 Group : TP/ Purpose : To verify that the call is released with cause #102 (recovery on timer expiry) by the IUT if timer T2 expires because the local served user does not resume the call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.1.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Terminal portability service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_3			
3		+Active_call_AB			1.
4		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResl='0'B] START T2min, START T2max	SUS_AB(cic)		2.
5		?TIMEOUT T2min			
6		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_102] CANCEL T2max	REL_AB(cic)	(P)	3.
7		LAB! S_RLC	RLC_BA(cic)	(P)	
8		+G_Verdict_A_PTC			
9		?TIMEOUT T2max		(F)	
10		LAB! S_RLC	RLC_BA(cic)		
11		LAB? R_RLC	RLC_AB(cic)	(F)	
12		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_REL CANCEL T2min, CANCEL T2max	REL_AB(cic)	(F)	
14		LAB! S_RLC	RLC_BA(cic)		
15		LAB? R_RLC	RLC_AB(cic)	(F)	
16		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> <-----alert-----<-----ACM----- ... ringing tone ... <-----conn-----<-----ANM----- ... check communication ... -----tpsuspend-----> -----SUS-----> T2 <-----disconnect-----REL-----> <-----RLC----- : </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from SPA to SPB. 2. Suspend the call by the calling party (ISDN subscriber). 3. Check if the call is released with cause #102. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_4_a					
Group : TP/					
Purpose : To verify that a suspended call can be released by the IUT, if the local user or the remote user releases the call.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 4.5.2.1.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	SUS_AB(cic)		1. 2. 3.
2		+SS_5_4_a			
3		+Active_call_AB			
4		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResI='0'B]			
5		+R_REL_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... -----tprequest-----> -----SUS-----> -----disconnect-----> -----REL-----> 1. Set up a call from SPA to SPB. 2. Suspend the call by the calling party (ISDN subscriber). 3. Release the suspended call by the local user.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_4_b					
Group : TP/					
Purpose : To verify that a suspended call can be released by the IUT, if the local user or the remote user releases the call.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 4.5.2.1.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	SUS_AB(cic)		1. 2. 3.
2		+SS_5_4_b			
3		+Active_call_AB			
4		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResI='0'B]			
5		+Wait_T_WAIT			
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... -----tprequest----> -----SUS-----> <-----release----- <-----REL----- : <hr/> 1. Set up a call from SPA to SPB. 2. Suspend the call by the calling party (ISDN subscriber). 3. Release the suspended call by the remote user.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_5 Group : TP/ Purpose : To verify that the SUS and RES messages are passed on transparently by the IUT, if the calling party requests the service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.2.1 a); 4.5.2.3.1; 4.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_5			
3		+Active_call_AB			1.
4		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResI='0'B]	SUS_AB(cic)	(P)	2.
5		LAB? R_RES [R_RES.isup_pdu.SusRes.SusResI='0'B]	RES_AB(cic)	(P)	3.
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- ... check communication ... -----SUS-----> -----SUS-----> -----RES-----> -----RES-----> : <hr/> 1. Set up a call from SPA to SPB.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

2. Suspend the call by the calling party (ISDN subscriber).
3. Resume the call by the calling party (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_6 Group : TP/ Purpose : To verify that the SUS and RES messages are passed on transparently by the IUT, if the called party requests the service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.2.1 b); 4.5.2.3.1; 4.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_6			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA(cic)		1.
5		+Active_call_BA			
6		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResI='0'B]	SUS_AB(cic)	(P)	2.
7		LAB? R_RES [R_RES.isup_pdu.SusRes.SusResI='0'B]	RES_AB(cic)	(P)	3.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----ACM-----> -----ACM-----> ... ringing tone ... -----ANM-----> -----ANM-----> ... check communication ... -----SUS-----> -----SUS-----> -----RES-----> -----RES----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:

-
1. Set up a call from the UNI at SPB.
 2. The called party at UNI at SPC suspends the call (ISDN subscriber).
 3. The called party at UNI at SPC resumes the call (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_7 Group : TP/ Purpose : To verify that the IUT informs the called party that suspend and resume have been requested by the calling party upon receipt of user initiated SUS and RES messages. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.5.1 a) /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_7			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		+Active_call_BA			
6		LAB! S_SUS (S_SUS.isup_pdu.SusRes.SusRes!:= '0'B)	SUS_BA(cic)		2.
7		+Wait_T_WAIT			
8		I_CP? CM_GO_AHEAD	CM_go_ahead		
9		LAB! S_RES (S_RES.isup_pdu.SusRes.SusRes!:= '0'B)	RES_BA(cic)		3.
10		I_CP? CM_GO_AHEAD	CM_go_ahead		
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----setup-----<-----IAM----- -----alert----->-----ACM-----> ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----conn-----> -----ANM----->
      ... check communication ...
<-----tpsuspend----- <-----SUS-----
<-----tpresume----- <-----RES-----
:
```

-
1. Set up a call from the UNI at SPB.
 2. The calling party at SPB suspends the call (ISDN subscriber).
 3. The calling party at SPB resumes the call (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_8 Group : TP/ Purpose : To verify that the called party can suspend and resume an incoming call and that user initiated SUS and RES messages are sent to the preceding exchange. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.5.1 b) /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called party subscribes to the Terminal portability service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_8			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		+Active_call_BA			
6		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusResI='0'B]	SUS_AB(cic)	(P)	2.
7		LAB? R_RES [R_RES.isup_pdu.SusRes.SusResI='0'B]	RES_AB(cic)	(P)	3.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... check communication ...

-----tprequest--> -----SUS----->

-----tpresume--> -----RES----->

:

-
1. Set up a call from the UNI at SPB.
 2. The called party at UNI at SPA suspends the call (ISDN subscriber).
 3. The called party at UNI at SPA resumes the call (ISDN subscriber).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_5_10 Group : TP/ Purpose : To verify that a request for user-to-user signalling service 3 is rejected by the IUT if the call is currently suspended and if the IUT is the suspend controlling exchange. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.6.13.3 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes both to the Terminal portability service and to the User-to-user signalling service 3.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_10			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		+Active_call_BA			
6		LAB? R_SUS [R_SUS.isup_pdu.SusRes.SusRes!= '0'B]	SUS_AB(cic)		2.
7		LAB? R_RES [R_RES.isup_pdu.SusRes.SusRes!= '0'B]	RES_AB(cic)	(P)	3.
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- -----alert-----> -----ACM-----> ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----conn-----> -----ANM----->
      ... check communication ...
-----tpsuspend-----> -----SUS----->
-----UUS3req-----> reject - nothing happens in the network
-----tpresume-----> -----RES----->
:
```

-
1. Set up a call from the UNI at SPB.
 2. The called party suspends the call (ISDN subscriber).
 3. The called party resumes the call (ISDN subscriber).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_5_11

Group : TP/

Purpose : To verify that the suspend/resume notification from the private network is transported in the CPG message with the event indicator set to "progress" and that the SUS /RES messages are not used in this case.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 4.4 /ETS 300 356-7

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the local user belongs to a private network.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_11			
3		+Active_call_AB			1.
4		LAB? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AB_GenNot(cic)	(P)	2.
5		LAB? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AB_GenNot(cic)	(P)	3.
6		+S_REL_etc_BA			
7		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

-----setup-----> -----IAM----->
<-----alert----- <-----ACM-----
... ringing tone ...
<-----conn----- <-----ANM-----
... check communication ...
-----tpsuspend----> -----CPG----->
-----tpresume----> -----CPG----->
:

```

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from SPA to SPB.
2. Suspend the call by the private network is sent in CPG to the public network.
3. Resume the call by the private network is sent in CPG to the public network.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_5_9 Group : NO_TP/ Purpose : To verify that the SUS and RES messages are discarded by the IUT without notification if the served user requests suspend and resume, but the national network does not support the Terminal portability service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 4.5.2.3.2 ; 4.5.2.4.2 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_5_9			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA(cic)		1.
5		+Active_call_BA			
6		I_CP? CM_GO_AHEAD	CM_go_ahead	(P)	
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM-----<-----IAM----- -----ACM-----> -----ACM-----> ... ringing tone ... -----ANM-----> -----ANM-----> ... check communication ... -----SUS-----> Nothing observed -----RES-----> : <hr/> 1. Set up a call from the UNI at SPB.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_1 Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully initiate a call having 32 octets of user-to-user information in the messages related to the set up or the release of the call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.2.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_1("Set up a call with 32 octets of UUInf")			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInf.length = '20'O] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf	(P)	1.
4		LAB! S_ACM	ACM_BA_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA_UUInf(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+G_Verdict_A_PTC			
11		+Check_circuit_idle(cic)			
Detailed Comments : access SPA SPB ----setup(UUInf)----> -----IAM(UUInf)-----> <---alert(UUInf)----- <---ACM(UUInf)-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
                ... ringing tone ...  
<---conn(UUInf)----- <---ANM(UUInf)-----  
                ... check communication ...  
  
<---disc(UUInf)----- <---REL(UUInf)-----  
                    -----RLC----->
```

1. Set up a call from UNI at SPA to SPB with 32 octets of user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_2_a Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS 1 implicit request, having the user-to-user information parameter in the IAM, without the user-to-user indicators parameter. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.1 ; 1.1.5.2.1.1.3 ; 1.1.5.2.2-4.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_2a("Set up a call with UUInf IE")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf	(P)	
4		LAB! S_ACM	ACM_BA_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA_UUInf(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup(UUInf)-----> -----IAM(UUInf)-----> <----alert(UUInf)----- <----ACM(UUInf)----- ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<---conn(UUInf)----- <---ANM(UUInf)-----
... check communication ...

<---disc(UUInf)----- <---REL(UUInf)-----
-----RLC----->

_____11. Set up a call from
UNI at SPA to SPB with user-to-user information.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_1_2_b

Group : UUS/UUS1_I/

Purpose	: To verify that the IUT can successfully initiate/transit a call with an UUS 1 implicit request, having the user-to-user information parameter in the IAM, without the user-to-user indicators parameter.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.1.5.2.1.1.1 ; 1.1.5.2.1.1.3 ; 1.1.5.2.2-4.1 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_2_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf	(P)	
4		LAB! S_ACM	ACM_BA_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA_UUInf(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			
Detailed Comments : SPC SPA SPB ----IAM(UUInf)-----> ----IAM(UUInf)-----> <---ACM(UUInf)----- <---ACM(UUInf)----- ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<---ANM(UUInf)----- <---ANM(UUInf)-----
... check communication ...

<---REL(UUInf)----- <---REL(UUInf)-----
-----RLC----- >

1. Set up a call from UNI at SPA to SPB with user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_3_a Group : UUS/UUS1_I/ Purpose : To verify that the IUT can, after successfully initiating/transiting a call with an UUS1 implicit request, continue normal call set up if the first backward message is received with the user-to-user indicators set to "user-to-user information discarded by the network". Note: The user-to-user information is discarded because the following network does not support it. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.2-4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_3a("Set up a call with UUInf IE")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:= '1'B, S_ACM.isup_pdu.UUInd.NtwDI:= '1'B)	ACM_BA_UUInd(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
-----setup(UUInf)-----> -----IAM(UUInf)----->
<---alert(UUInf disc)--- <---ACM(UUInf disc)---

... ringing tone ...
<---conn----- <---ANM-----
... check communication ...

<---disc----- <---REL-----
-----RLC----->

-
1. Set up a call from UNI at SPA to SPB with user-to-user information.
 2. First backward message with user-to-user indicators set to 'UUInf discarded by the network'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_3_b Group : UUS/UUS1_I/ Purpose : To verify that the IUT can, after successfully initiating/transiting a call with an UUS1 implicit request, continue normal call set up if the first backward message is received with the user-to-user indicators set to "user-to-user information discarded by the network". Note: The user-to-user information is discarded because the following network does not support it. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3; 1.1.5.2.2.2; 1.1.5.2.3.2; 1.1.5.2.4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_3_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:= '1'B, S_ACM.isup_pdu.UUInd.NtwDI:= '1'B)	ACM_BA_UUInd(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle_I_PTC			
11		+G_Verdict_I_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :**

SPC	SPA	SPB
-----IAM(UUInf)----->		-----IAM(UUInf)----->
<---ACM(UUInf disc)--		<---ACM(UUInf disc)---
	... ringing tone ...	
<---ANM-----		<---ANM-----
	... check communication ...	
<---REL-----		<---REL-----
---RLC-----		---RLC----->

-
1. Set up a call from UNI at SPA to SPB with user-to-user information.
 2. First backward message with user-to-user indicators set to 'UUInf discarded by the network'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_4_a Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 implicit request, and complete the call if no indication is provided in the backward direction. Note: The user-to-user information is discarded because: 1) the network is unable to pass the service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.3-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_4a("Set up a call with UUInf IE")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		
4		LAB! S_ACM	ACM_BA(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle (cic)			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
-----setup(UUInf)-----> -----IAM(UUInf)----->
<---alert----- <---ACM-----

... ringing tone ...
<---conn----- <---ANM-----
... check communication ...

<---disc----- <---REL-----
-----RLC----->

-
1. Set up a call from UNI at SPA to SPB with user-to-user information.
 2. No indication in the first backward message.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_4_b Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 implicit request, and complete the call if no indication is provided in the backward direction. Note: The user-to-user information is discarded because: 1) the network is unable to pass the service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.3-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_4_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		
4		LAB! S_ACM	ACM_BA(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle_I_PTC			
11		+G_Verdict_I_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :**

SPC	SPA	SPB
-----IAM(UUInf)----->	-----IAM(UUInf)----->	
<---ACM(UUInf disc)--	<---ACM-----	
	... ringing tone ...	
<---ANM-----	<---ANM-----	
	... check communication ...	
<---REL-----	<---REL-----	
---RLC-----	---RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user information.
 2. No indication regarding UUS1 in the first backward message.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_5_a Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 implicit request, and transfer/include the user-to-user information parameter in the ACM, CPG, ANM, CON, SGM or REL as implicit acceptance (no user-to-user indicators). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.1 ; 1.1.5.2.1.1.3 ; 1.1.5.2.3-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_5a("Assist call set up with UUS1 implicit acceptance")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN_UUInf(cic, TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB_UUInf(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+Check_communication			
9		LAB! S_REL	REL_BA_UUInf(cic)		
10		LAB? R_RLC	RLC_AB(cic)		
11		+Check_circuit_idle (cic)			
12		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<----setup(UUInf)---- <-----IAM(UUInf)-----
-----alert(UUInf)-----> -----ACM(UUInf)----->
... ringing tone ...
-----conn(UUInf)-----> -----ANM(UUInf)---->
... check communication ...
<----disc(UUInf)----- <-----REL(UUInf)-----
-----RLC----->

1. Set up a call from UNI at SPB to SPA with user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_5_b Group : UUS/UUS1_I/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 implicit request, and transfer/include the user-to-user information parameter in the ACM, CPG, ANM, CON, SGM or REL as implicit acceptance (no user-to-user indicators). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.1 ; 1.1.5.2.1.1.3 ; 1.1.5.2.3-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_5_b			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_UUInf(cic)		1.
5		LAB? R_ACM	ACM_AB_UUInf(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+Check_communication			
9		LAB! S_REL	REL_BA_UUInf(cic)		
10		LAB? R_RLC	RLC_AB(cic)		
11		+Check_circuit_idle_I_PTC			
Detailed Comments : SPC SPA SPB <----IAM(UUInf)-- <-----IAM(UUInf)----- -----ACM(UUInf)--> -----ACM(UUInf)----> ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----ANM(UUInf)-> -----ANM(UUInf)----->
                        ... check communication ...
<-----REL(UUInf)-- <-----REL(UUInf)-----
                        -----RLC----->
```

1. Set up a call from UNI at SPB to SPA with user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_6_a Group : UUS/NO_UUS1_I/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 implicit request and set the user-to-user indicators to "user-to-user information discarded by the network" in the first backward message, if the network is unable to support it. Note: The user-to-user information is discarded because the network does not support it. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.3-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the network does not support the UUS1 service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0("The SETUP does not contain UUInf")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN_UUInf(cic, TSP_Nb_A)		1.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.NtwDI='1'B)]	ACM_AB_UUInd(cic)	(P)	2.
6		+R_ANM_etc_AB			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----setup ----- <-----IAM(UUInf)----- -----alert(UUInf disc)-> -----ACM(UUInf disc)-> : _____					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

- | |
|--|
| <ul style="list-style-type: none">1. Set up a call from UNI at SPB to SPA with user-to-user information.2. Check "user-to-user information discarded by the network" in the first backward message (ACM). |
|--|

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_6_b Group : UUS/NO_UUS1_I/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 implicit request and set the user-to-user indicators to "user-to-user information discarded by the network" in the first backward message, if the network is unable to support it. Note: The user-to-user information is discarded because the network does not support it. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.3-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the network does not support the UUS1 service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_6_b			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_UUInf(cic)		1.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.NtwDI='1'B)]	ACM_AB_UUInd(cic)	(P)	2.
6		+R_ANM_etc_AB			
Detailed Comments : SPC SPA SPB <-----IAM-----> <----IAM(UUInf)-----> ---ACM(UUInf disc)--> ---ACM(UUInf disc)--> : <hr/> 1. Set up a call from UNI at SPB to SPA with user-to-user information. 2. Check "user-to-user information discarded by the network" in the first backward message (ACM).					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_7_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, by including/transferring the user-to-user information parameter and the user-to-user indicators in the IAM set to "request, not essential". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-4.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_7a("Request user-to-user service 1")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA_UUInf(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <p>-----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request</p> <p><---alert(UUInf)----- <---ACM(UUInf)----- UUS1 explicit response</p> <p>... ringing tone ...</p> <p><---conn(UUInf)----- <---ANM(UUInf)-----</p> <p>... check communication ...</p> <p><---disc(UUInf)----- <---REL(UUInf)-----</p> <p>-----RLC-----></p> <p>_____1. Set up a call from UNI</p> <p>at SPA to SPB with user-to-user information.</p> <p>2. Check that the Service 1 field in the UUInd is set to 'request, not essential'.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_7_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, by including/transferring the user-to-user information parameter and the user-to-user indicators in the IAM set to "request, not essential". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-4.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_7_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA_UUInf(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

SPC	SPA	SPB
-----IAM(UUInf)----->	-----IAM(UUInf)----->	UUS1 explicit request
<---ACM(UUInf)-----	<---ACM(UUInf)-----	UUS1 explicit response
	... ringing tone ...	
<---CON(UUInf)-----	<---ANM(UUInf)-----	
	... check communication ...	
<---REL(UUInf)-----	<---REL(UUInf)-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
 2. Check that the Service 1 field in the UUInd is set to 'request, not essential'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_8_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, and continue normal call set up if the UUS1 service is explicitly rejected (the user-to-user indicators parameter is received as "service not provided" in the ACM, CPG, ANM, CON or REL). Note: The user-to-user information is discarded because: 1) the network is unable to pass the explicit service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.2-4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_8a("Request user-to-user service 1; not provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=not_provided)	ACM_BA_UUInd(cic)		3.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_REL	REL_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB ----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request <---alert(UUInd)----- <---ACM(UUInd)----- UUS1 explicit response ... ringing tone ... <---conn----- <---ANM----- ... check communication ... <---disc----- <---REL----- -----RLC----->					
1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators. 2. Check the Service 1 field in the UUInd is set to 'request, not essential'. 3. Send the response 'Service not provided' in the ACM.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_8_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, and continue normal call set up if the UUS1 service is explicitly rejected (the user-to-user indicators parameter is received as "service not provided" in the ACM, CPG, ANM, CON or REL). Note: The user-to-user information is discarded because: 1) the network is unable to pass the explicit service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.2-4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_8_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=not_provided)	ACM_BA_UUInd(cic)		3.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** SPC

SPA

SPB

-----IAM(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request
<---ACM(UUInd)----- <---ACM(UUInd)----- UUS1 explicit response

... ringing tone ...

<---CON----- <---ANM-----
... check communication ...

<---REL----- <---REL-----
-----RLC----->

-
1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
 2. Check the Service 1 field in the UUInd is set to 'request, not essential'.
 3. Send the response 'Service not provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_9_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, and continue normal call set up if no indication is provided in the backward direction. Note: The user-to-user information is discarded because: 1) the network is unable to pass the explicit service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.2-4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_9a("Request user-to-user service 1; no information")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=no_info)	ACM_BA_UUInd(cic)		3.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
----setup(UUInf)----->	-----IAM(UUInf)----->	UUS1 explicit request
<---alert(UUInd)-----	<---ACM(UUInd)-----	UUS1 explicit response
	... ringing tone ...	
<---conn-----	<---ANM-----	
	... check communication ...	
<---disc-----	<---REL-----	
	-----RLC----->	

1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
2. Check the Service 1 field in the UUInd is set to 'request, not essential'.
3. Send the response 'no information' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_9_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully initiate/transit a call with an UUS1 explicit non-essential request, and continue normal call set up if no indication is provided in the backward direction. Note: The user-to-user information is discarded because: 1) the network is unable to pass the explicit service 1 in any message. 2) the remote user may not be able to interpret incoming UUS information. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.3 ; 1.1.5.2.2-4.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_9_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=no_info)	ACM_BA_UUInd(cic)		3.
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

SPC	SPA	SPB
-----IAM(UUInf)----->	-----IAM(UUInf)----->	UUS1 explicit request
<---ACM(UUInd)-----	<---ACM(UUInd)-----	UUS1 explicit response
	... ringing tone ...	
<---CON-----	<---ANM-----	
	... check communication ...	
<---REL-----	<---REL-----	
	-----RLC----->	

1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
2. Check the Service 1 field in the UUInd is set to 'request, not essential'.
3. Send the response 'no information' in the ACM.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_6_1_10

Group : UUS/UUS1_E/

Purpose : To verify that the UUS1 explicit non-essential service can be rejected and the user-to-user indicators are in the ACM or CON set to "service 1 not provided".

Note: The user-to-user service is rejected because:

1) the IntermE received a CFN from the succeeding network (note 3 table 1-1).

2) the IntermE has received user-to-user information in the SGM (Basic call PICS A.13/7) and the succeeding network does not support the segmentation procedure (note 2 table 1-1).

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: ISUP v2 reference 1.1.5.2.2.2; table 1-1 /Q.737

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_10			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_UUInd_UUInf(cic)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=not_provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB(cic)		
8		+S_REL_etc_BA			

Detailed Comments : SPC SPA SPB
 <----IAM(UUInf)----- <---IAM(UUInf)----- UUS1 explicit request
 -----CFN(UUInd)-----> ---ACM(UUInd)-----> UUS1 explicit response

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
-----CON-----> -----ANM----->
... check communication ...

<-----REL-----<-----REL-----
-----RLC----->

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service not provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_11_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 explicit non-essential request, by transferring/including the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.3-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_11a("Request user-to-user service 1; provided")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_CdPN_UUInd_UUInf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----setup(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----alert(UUInf)-----> -----ACM(UUInf)-----> UUS1 explicit response

... ringing tone ...

----conn(UUInf)-----> -----ANM(UUInf)----->

... check communication ...

<---disc(UUInf)----- <-----REL(UUInf)-----

-----RLC----->

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_11_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully transit/accept a call with an UUS1 explicit non-essential request, by transferring/including the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.3-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_11_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_UUInd_UUInf(cic)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <----IAM(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request -----ACM(UUInd)-----> -----ACM(UUInd)-----> UUS1 explicit response ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----CON(UUInf)-----> -----ANM(UUInf)----->
... check communication ...

<----REL(UUInf)----- <----REL(UUInf)-----
-----RLC----->

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_13_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully originate/transit a call having an UUS1 explicit essential request, by including/transferring in the IAM the user-to-user information parameter, the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the forward call indicators set to "ISUP required all the way". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_13a("Request user-to-user service 1; provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB ----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<---alert(UUInf)----- <---ACM(UUInf)----- UUS1 explicit response

... ringing tone ...

<---conn(UUInf)----- <---ANM(UUInf)-----

... check communication ...

<---disc(UUInf)----- <---REL(UUInf)-----

-----RLC----->

-
1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
 2. Check that the Service 1 field in UUInd is set to 'request, essential' and the ISDN user part preference indicator in FCI is set to "ISUP required all the way".

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_13_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully originate/transit a call having an UUS1 explicit essential request, by including/transferring in the IAM the user-to-user information parameter, the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the forward call indicators set to "ISUP required all the way". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_13_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request <----ACM(UUInf)----- <----ACM(UUInf)----- UUS1 explicit response					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
                ... ringing tone ...  
<---CON(UUInf)----- <---ANM(UUInf)-----  
                ... check communication ...  
  
<---REL(UUInf)----- <---REL(UUInf)-----  
                -----RLC----->
```

-
1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.
 2. Check that the Service 1 field in UUInd is set to 'request, essential' and the ISDN user part preference indicator in FCI is set to "ISUP required all the way".

Test Case Dynamic Behaviour

Test Case Name : ISS_I_6_1_14_a

Group : UUS/UUS1_E/

Purpose : To verify that the service can be rejected if no indication (no user-to-user indicators parameter or the service 1 field in the user-to-user indicators set to "no information" or "not provided") is received in the first backward message (implicit rejection of service 1).

Note: The network does not understand the service 1 request. In this case the call should be released.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_14a("Request user-to-user service 1; no information or not provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=no_info)	ACM_BA_UUInd(cic)		
5		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_29) OR (R_REL.isup_pdu.Cause.CauseV=CV_69)) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	3.

Continued on next page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
8		+G_Verdict_A_PTC			
Detailed Comments : <div style="display: flex; justify-content: space-between;"> <div>access</div> <div>SPA</div> <div>SPB</div> </div> <pre> -----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request <-----alert-----<-----ACM----- -----disc-----> -----REL-----> <-----RLC----- </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call UNI at SPA to SPB with user-to-user information and user-to-user service indicators. 2. Check that the Service 1 field in UUInd is set to 'request, essential' and the ISDN user part preference indicator in FCI is set to "ISUP required all the way". 3. The call should be released with cause #29 or #69, because the user-to-user indicators parameter in the ACM is received with no information about service 1. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_14_b Group : UUS/UUS1_E/ Purpose : To verify that the service can be rejected if no indication (no user-to-user indicators parameter or the service 1 field in the user-to-user indicators set to "no information" or "not provided") is received in the first backward message (implicit rejection of service 1). Note: The network does not understand the service 1 request. In this case the call should be released. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_14_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=no_info)	ACM_BA_UUInd(cic)		
5		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_29) OR (R_REL.isup_pdu.Cause.CauseV=CV_69)) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
7		+Check_circuit_idle(cic)			
8		+G_Verdict_I_PTC			
<div>Detailed Comments :</div> <div><div>SPC</div><div>SPA</div><div>SPB</div></div> <div><div>-----IAM(UUInf)-----></div><div>-----IAM(UUInf)-----></div><div>UUS1 explicit request</div></div> <div><div><-----ACM-----</div><div><-----ACM-----</div><div></div></div> <div><div><-----REL-----</div><div>-----REL-----></div><div></div></div> <div><div>-----RLC-----></div><div><-----RLC-----</div><div></div></div> <div><div></div><div></div><div></div></div> <div><div>1. Set up a call UNI at SPA to SPB with user-to-user information and user-to-user service indicators.</div><div>2. Check that the Service 1 field in UUInd is set to 'request, essential' and the ISDN user part preference indicator in FCI is set to "ISUP required all the way".</div><div>3. The call should be released with cause #29 or #69, because the user-to-user indicators parameter in the ACM is received with no information about service 1.</div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_15_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully complete a call with an UUS1 explicit essential request having the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_15a("Request user-to-user service 1; provided")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----setup(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----alert(UUInf)-----> -----ACM(UUInf)-----> UUS1 explicit response

... ringing tone ...

-----conn(UUInf)-----> -----ANM(UUInf)----->

... check communication ...

<----disc(UUInf)-----<----REL(UUInf)-----

-----RLC----->

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, essential'.
 3. Check the response 'Service provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_15_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully complete a call with an UUS1 explicit essential request having the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.1.1.2 ; 1.1.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_15_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_UUInd_UUInf(cic)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB_UUInf(cic)		
8		+Check_communication			
9		LAB! S_REL	REL_BA_UUInf(cic)		
10		LAB? R_RLC	RLC_AB(cic)		
11		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : SPC SPA SPB

```

<----IAM(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request

-----ACM(UUInd)-----> -----ACM(UUInd)-----> UUS1 explicit response

... ringing tone ...
----CON(UUInf)-----> ----ANM(UUInf)----->
... check communication ...

<---REL(UUInf)----- <---REL(UUInf)-----
-----RLC----->

```

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, essential'.
 3. Check the response 'Service provided' in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_17a Group : UUS/UUS1_E/ Purpose : To verify that more than one supplementary services may be requested at call set up. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.13.2 ; 1.1.6.13.3 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_17a("Request user-to-user service 1; provided; request user-to-user service 2; provided; request user-to-user service 3; provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential) AND (R_IAM.isup_pdu.UUInd.Serv2=req_not_essential) AND (R_IAM.isup_pdu.UUInd.Serv3=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		LAB? R_USR	USR_AB(cic)	(P)	3.
6		LAB! S_USR	USR_BA(cic)		3.
7		+Check_ringing_tone_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd_UUInf(cic)		
9		+Check_communication			
10		LAB? R_USR	USR_AB(cic)	(P)	4.
11		LAB! S_USR	USR_BA(cic)		4.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1, 2, 3 explicit request <----alert(UUInf)----- <----ACM(UUInf)----- UUS1, 2 explicit response ... ringing tone ... -----user info-----> -----USR----- <----user info----- <----USR----- <----conn(UUInf)----- <----ANM(UUInf)----- UUS 3 explicit response ... check communication ... -----user info-----> -----USR----- <----user info----- <----USR----- <----disc(UUInf)----- <----REL(UUInf)----- -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators. 2. Check that the Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'. 3. Support of Service 2. 4. Support of Service 3. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_17b Group : UUS/UUS1_E/ Purpose : To verify that more than one supplementary services may be requested at call set up. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.13.2 ; 1.1.6.13.3 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_17b("Request user-to-user service 1; provided; request user-to-user service 2; provided; request user-to-user service 3; provided")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Type:= '0'B, S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	
6		LAB! S_USR	USR_BA(cic)		3.
7		LAB? R_USR	USR_AB(cic)	(P)	3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		+Check_ringing_tone_BA			
9		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AB_UUInd_UUInf(cic)	(P)	
10		+Check_communication			
11		LAB! S_USR	USR_BA(cic)		4.
12		LAB? R_USR	USR_AB(cic)	(P)	4.
13		+S_REL_etc_BA			
<p>Detailed Comments : access SPA SPB</p> <pre> <----setup(UUInf)----- <-----IAM(UUInf)----- UUS1, 2, 3 explicit request -----alert(UUInf)-----> ----ACM(UUInf)-----> UUS1, 2 explicit response ... ringing tone ... <-----user info----- <-----USR----- -----user info-----> ----USR-----> -----conn(UUInf)-----> ----ANM(UUInf)-----> UUS 3 explicit response ... check communication ... <-----user info----- <-----USR----- -----user info-----> ----USR-----> <-----disc(UUInf)----- <-----REL(UUInf)----- -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators. 2. The Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'. 3. Support of Service 2. 4. Support of Service 3. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_18 Group : UUS/UUS1_E/ Purpose : To verify that the services can be rejected with a REL having the Cause value # 29 "facility rejected" or # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name), if more services are requested, one of them is essential and it cannot be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.13.2 ; 1.1.6.13.3 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_18			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		LAB! S_RLC	RLC_BA(cic)		
10		+Check_circuit_idle(cic)			
11		+G_Verdict_A_PTC			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">SPA</div> <div style="text-align: center;">SPB</div> </div> <pre> <----setup(UUInf)----- <-----IAM(UUInf)----- UUS1, 2, 3 explicit request -----disc-----> -----REL-----> <----RLC----- </pre> <hr style="width: 80%; margin: 10px auto;"/> <ol style="list-style-type: none"> 1. Set up a call UNI at SPB to SPA with user-to-user information and user-to-user service indicators. 2. The call should be released with cause #29 or #69, because the service 2 cannot be provided. 					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_1_19_a

Group : UUS/UUS1_E/

Purpose : To verify that the IUT can successfully complete a call with an UUS1 explicit non-essential request, having the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". At the same time the UUS2 (or UUS3) service can be rejected and the user-to-user indicators in the ACM or CPG or ANM or CON or REL are set to "service 2 (or 3) not provided".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.1.6.13.2 ; 1.1.6.13.3 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_19a			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential) AND (R_IAM.isup_pdu.UUInd.Serv2=req_not_essential) OR (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential))] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
7		LAB! S_USR	USR_BA(cic)		3.
8		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=not_provided)	ANM_BA_UUInd_UUInf(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
<div>Detailed Comments :</div> <div>access SPA SPB</div> <div>-----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1, 2, 3 explicit request</div> <div><-----alert(UUInf)----- <-----ACM(UUInf)----- UUS1, 2 explicit response</div> <div>... ringing tone ...</div> <div>-----user info-----> -----USR-----</div> <div><-----user info----- <-----USR-----</div> <div><-----conn(UUInf)----- <-----ANM(UUInf)----- UUS 3 explicit response</div> <div>... check communication ...</div> <div><-----disc(UUInf)----- <-----REL(UUInf)-----</div> <div>-----RLC-----></div> <div>1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.</div> <div>2. Check that the Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'.</div> <div>3. Support of Service 2.</div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_1_19_b

Group : UUS/UUS1_E/

Purpose : To verify that the IUT can successfully complete a call with an UUS1 explicit non-essential request, having the user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL set to "service provided". At the same time the UUS2 (or UUS3) service can be rejected and the user-to-user indicators in the ACM or CPG or ANM or CON or REL are set to "service 2 (or 3) not provided".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.1.6.13.2 ; 1.1.6.13.3 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_19b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Type:=0'B, S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type=1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB? R_USR	USR_AB(cic)	(P)	3.
9		LAB? R_ANM	ANM_AB_UUInd_UUInf(cic	(P)	
		[(R_ANM.isup_pdu.UUInd.Type='1'B) AND)		
10		(R_ANM.isup_pdu.UUInd.Serv3=not_provided)]			
		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
<div>Detailed Comments : access SPA SPB</div> <div><----setup(UUInf)----- <-----IAM(UUInf)----- UUS1, 2, 3 explicit request</div> <div>-----alert(UUInf)-----> -----ACM(UUInf)----->UUS1, 2 explicit response</div> <div>... ringing tone ...</div> <div><-----user info----- <----USR-----</div> <div>-----user info-----> ----USR-----></div> <div>-----conn(UUInf)-----> ----ANM(UUInf)-----> UUS 3 explicit response</div> <div>... check communication ...</div> <div><-----disc(UUInf)----- <----REL(UUInf)-----</div> <div>-----RLC-----></div> <div>1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.</div> <div>2. The Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'.</div> <div>3. Support of Service 2.</div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_20_a Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully originate/complete a call with UUS1, having requested UUS3 after call set up. The Service 1 field in the user-to-user indicators in the FAR, FAA or FRJ for UUS1 is then set to "no information". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.13.3 ; 1.1.6.13.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS3 supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_20a			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_UUInf(cic)		
7		+Check_communication			
8		LAB? R_FAR [(R_FAR.isup_pdu.UUInd.Serv1=no_info) AND (R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AB(cic)	(P)	3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		LAB! S_FAA (S_FAA.isup_pdu.UUInd.Type:='1'B, S_FAA.isup_pdu.UUInd.Serv1:=no_info, S_FAA.isup_pdu.UUInd.Serv3:=provided)	FAA_BA(cic)	(P)	3.
10		LAB? R_USR	USR_AB(cic)		3.
11		LAB! S_USR	USR_BA(cic)		3.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			
<div>Detailed Comments :</div> <div><div>access</div><div>SPA</div><div>SPB</div><div>-----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1 explicit request</div><div><---alert(UUInf)----- <---ACM(UUInf)----- UUS1 explicit response</div><div>... ringing tone ...</div><div><---conn(UUInf)----- <---ANM(UUInf)-----</div><div>... check communication ...</div><div>-----facilityreq-----> -----FAR-----> UUS3 request</div><div><---facilityind----- <---FAA----- UUS3 response</div><div>-----user info-----> -----USR-----</div><div><---user info----- <---USR-----</div><div><---disc(UUInf)----- <---REL(UUInf)-----</div><div>-----RLC-----></div></div> <div><div>1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service indicators.</div><div>2. Check that the Service 1 fields in UUInd is set to 'request, not essential'.</div><div>3. Check request of service 3 in FAR.</div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_20_b Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully originate/complete a call with UUS1, having requested UUS3 after call set up. The Service 1 field in the user-to-user indicators in the FAR, FAA or FRJ for UUS1 is then set to "no information". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.13.3 ; 1.1.6.13.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS3 supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_20b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Type:= '0'B, S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	
6		+Check_ringing_tone_BA			
7		LAB?R_ANM	ANM_AB_UUInf(cic)		
8		+Check_communication			
9		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Serv1:=no_info, S_FAR.isup_pdu.UUInd.Type:= '0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		3.

Continued on next page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		LAB? R_FAA [(R_FAA.isup_pdu.UUInd.Type='1'B) AND (R_FAA.isup_pdu.UUInd.Serv1=no_info) AND (R_FAA.isup_pdu.UUInd.Serv3=provided)]	FAA_AB(cic)	(P)	4.
11		LAB! S_USR	USR_BA(cic)		5.
12		LAB? R_USR	USR_AB(cic)		6.
13		+S_REL_etc_BA			
14		+G_Verdict_A_PTC			

Detailed Comments :

```

access          SPA          SPB
<----setup(UUInf)----- <----IAM(UUInf)----- UUS1 explicit request
----alert(UUInf)----> <----ACM(UUInf)-----> UUS1 explicit response
... ringing tone ...
----conn(UUInf)----> <----ANM(UUInf)----->
... check communication ...
<----facilityreq----- <----FAR----- UUS3 request
----facilityind-----> <----FAA----->UUS3 response
<----user info----- <----USR-----
----user info-----> <----USR----->
<----disc(UUInf)----- <----REL(UUInf)-----
-----RLC----->

```

1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
2. Check that the Service 1 fields in UUInd is set to 'request, not essential'.
3. The service 3 is requested in FAR.
4. The service 3 is provided in FAA.
4. Send/Receive user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_21 Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully complete a call including an user-to-user information (service 1) to a held party during the clearing phase of a call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.15 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and HOLD supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_21			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		1.
6		+Check_ringing_tone_AB			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		1.
8		+Wait_T_WAIT			
9		+Check_communication			
10		LAB? R_REL	REL_AB_UUInf(cic)	(P)	2.
11		LAB! S_RLC	RLC_BA(cic)		
12		+Check_circuit_idle(cic)			
13		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----HOLD-----> -----CPG----->

-----disc-----> -----REL-----> UUInf present

-
1. IAM, ACM, CPG may contain UUInf.
 2. Check that UUInf is received in the REL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_22 Group : UUS/UUS1_E/ Purpose : To verify that the IUT can successfully complete a call including an user-to-user information (service 1) from a held party during the clearing phase of a call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.6.15 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the remote user has subscribed to the UUS1 and HOLD supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_22			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		1.
6		+Check_ringing_tone_AB			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		1.
8		+Wait_T_WAIT			
9		+Check_communication			
10		LAB! S_REL	REL_BA_UUInf(cic)		2.
11		LAB? R_RLC	RLC_AB(cic)		
12		+Check_circuit_idle(cic)			
13		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----HOLD-----> -----CPG----->

<-----disc----- <-----REL----- UUInf present
-----RLC----->

-
1. IAM, ACM, CPG may contain UUInf.
 2. Send UUInf in the REL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_23 Group : UUS/UUS1_E/ Purpose : To verify that the IUT does not store any user-to-user information contained in the original call. The CCBS call (IAM) sent by the IUT should not contain any user-to-user information if no new user-to-user information is provided from the served user in response to the CCBS recall. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17 /ETS 300-356 18 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and CCBS supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_23("Set up a call with UUInf in the set up message which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation. Arrangement so that no UUInf is sent by the user in the CCBS recall")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	4.
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access SPA SPB

```

-----setup-----> -----IAM-----> UUInf present
<-----disconnect--- <-----REL-----
                        -----RLC----->
                        ... TCAP transaction ...
-----CCBS recall---> -----IAM-----> No new UUInf is sent in the CCBS recall
:                                     CCBS call
<-----disc----- <-----REL-----
:

```

1. Set up a call to busy user at SPB. The received IAM contains UUInf.
2. User at SPB is found busy. Check that the UUInf is received in the IAM.
3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
4. Check Indication 'CCBS call" in the IAM. Check that no UUInf is received in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_1_24 Group : UUS/UUS1_E/ Purpose : To verify that the IUT is able to include user-to-user information in the CCBS call (IAM) if the served user includes user-to-user information in response to the CCBS recall. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17 /ETS 300-356 18 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and CCBS supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_24("Set up a call which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation. Arrangement so that UUInf is sent by the user in the CCBS recall")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar_UUInf	(P)	4.
6		LAB! S_ACM	ACM_BA_UUInf(cic)		
7		+Check_ringing_tone_BA			
8		LAB! S_ANM	ANM_BA_UUInf(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	
<-----disconnect---	<-----REL-----	
	-----RLC----->	
	... TCAP transaction ...	
-----CCBS recall---	-----IAM----->	UUInf is sent in the CCBS recall
	CCBS call	
<-----alert(UUInf)-----	<----ACM(UUInf)---	
	... ringing tone ...	
<-----conn(UUInf)-----	<----ANM(UUInf)---	
	... check communication ...	
<-----disc-----	<-----REL-----	

1. Set up a call to busy user at SPB.
2. User at SPB is found busy.
3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
4. Check Indication 'CCBS call" in the IAM. Check that UUInf is received in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_12_a Group : UUS/NO_UUS1_E/ Purpose : To verify that the IUT can transfer/accept a call with an UUS1 explicit non-essential request, and reject the service by not providing any user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL. Note: The network or the user cannot support UUS1. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the network cannot support UUS1.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_12a("Request user-to-user service 1; no information")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM	ACM_AB_NO_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request -----alert-----> -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
          ... ringing tone ...
-----conn-----> -----ANM----->
          ... check communication ...

<---disc----- <---REL-----
               -----RLC----->
```

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, not essential'.
 3. Check that there is no user-to-user indicators parameter in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_12_b Group : UUS/NO_UUS1_E/ Purpose : To verify that the IUT can transfer/accept a call with an UUS1 explicit non-essential request, and reject the service by not providing any user-to-user indicators parameter in the ACM, CPG, ANM, CON or REL. Note: The network or the user cannot support UUS1. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the network cannot support UUS1.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_12_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_BA_UUInd_UUInf(cic)		2.
5		LAB? R_ACM	ACM_AB_NO_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB(cic)		
8		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request -----ACM-----> -----ACM-----> ... ringing tone ... -----CON-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... check communication ...

<---REL----- <---REL-----
-----RLC----->

-
1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
 2. The Service 1 field in the UUInd is set to 'request, not essential'.
 3. Check that there is no user-to-user indicators parameter in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_16_a Group : UUS/NO_UUS1_E/ Purpose : To verify that the service can be rejected with a REL having the Cause value 29 "facility rejected" or 69 "requested facility not implemented", either with diagnostics (specifying the name of the user-to-user indicator parameter). Note: The network or the called user cannot support the service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_16_a			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
9		LAB! S_RLC	RLC_BA(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup(UUInf)----- <-----IAM(UUInf)----- UUS1 explicit request -----disc-----> -----REL-----> <-----RLC----- </pre> <hr/> <p>1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators. 2. The call should be released with cause #29 or #69.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_16_b Group : UUS/NO_UUS1_E/ Purpose : To verify that the service can be rejected with a REL having the Cause value 29 "facility rejected" or 69 "requested facility not implemented", either with diagnostics (specifying the name of the user-to-user indicator parameter). Note: The network or the called user cannot support the service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_16_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_UUInd_UUInf(cic)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
Detailed Comments : SPC SPA SPB <----IAM(UUInf)----- <----IAM(UUInf)----- UUS1 explicit request ----REL-----> ----REL-----> <----RLC----- <----RLC-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
2. The call should be released with cause #29.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_1_16_c Group : UUS/NO_UUS1_E/ Purpose : To verify that the service can be rejected with a REL having the Cause value 29 "facility rejected" or 69 "requested facility not implemented", either with diagnostics (specifying the name of the user-to-user indicator parameter). Note: The network or the called user cannot support the service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.1.5.2.5.2.2 ; 1.1.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_1_16_c			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_UUInd_UUInf(cic)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
Detailed Comments : SPC SPA SPB <----IAM(UUInf)----- <----IAM(UUInf)----- UUS1 explicit request ----REL-----> ----REL-----> <----RLC----- <----RLC-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service indicators.
2. The call should be released with cause #69.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_1 Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully initiate a call having 32 octets of user-to-user information in the USR messages during call set up. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.2.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_1("Service 2 must be requested non essential")			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv2=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		1.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR [R_USR.isup_pdu.UUInf.length = '20'O]	USR_AB(cic)	(P)	2.
7		LAB! S_USR	USR_BA(cic)		
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	UUS2 explicit request
<-----alert-----	<-----ACM-----	UUS2 response
... ringing tone ...		
-----user info----->	-----USR----->	
<-----user info-----	<-----USR-----	
<-----conn-----	<-----ANM-----	
... check communication ...		
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
 2. Check that the user-to-user information field in the USR contains 32 octets.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_2_a Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/transit a call with an UUS2 explicit non-essential request, having the user-to-user indicators in the IAM set to "request, not essential". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_2a("Request non essential user-to-user service 2; provided")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv2=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:= '1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
----setup----->	-----IAM----->	UUS2 explicit request
<---alert-----	<---ACM-----	UUS2 response
... ringing tone ...		
----user info----->	-----USR----->	
<---user info-----	<---USR-----	
<---conn-----	<---ANM-----	
... check communication ...		
<---disc-----	<---REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, not essential'.
 3. Receive user-to-user information.
 4. Send user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_2_b Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/transit a call with an UUS2 explicit non-essential request, having the user-to-user indicators in the IAM set to "request, not essential". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_2_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv2=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+Check_communication			
10		LAB! S_REL	REL_BA(cic)		
11		LAB? R_RLC	RLC_AB(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+Check_circuit_idle(cic)			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> UUS2 explicit request <-----ACM----- <-----ACM----- UUS2 response ... ringing tone ... -----USR-----> -----USR-----> <-----USR----- <-----USR----- <-----ANM----- <-----ANM----- ... check communication ... <-----REL----- <-----REL----- -----RLC-----> -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from UNI at SPC to SPB with user-to-user service 2 request. 2. Check the Service 2 field in the UUInd is set to 'request, not essential'. 3. Receive user-to-user information. 4. Send user-to-user information. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_3 Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully complete a call with an UUS2 explicit non-essential request, having the user-to-user indicators parameter in the ACM or CPG set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_3("Request non essential user-to-user service 2; provided")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB? R_USR	USR_AB(cic)	(P)	5.
9		LAB? R_ANM	ANM_AB(cic)		
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=no_info)]	ACM_AB_UUInd(cic)	(P)	
12		+Check_ringing_tone_BA			
13		LAB? R_CPG [(R_CPG.isup_pdu.UUInd.Type='1'B) AND (R_CPG.isup_pdu.UUInd.Serv2=provided)]	CPG_AB_UUInd(cic)	(P)	3.
14		LAB! S_USR	USR_BA(cic)		4.
15		LAB? R_USR	USR_AB(cic)	(P)	5.
16		LAB? R_ANM	ANM_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS2 explicit request -----alert-----> -----ACM-----> UUS2 explicit response ... ringing tone ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> -----conn-----> -----ANM-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS2 explicit request -----alert-----> -----ACM-----> -----alert-----> -----CPG-----> UUS2 explicit response ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----user info----- <-----USR-----  
-----user info-----> -----USR----->  
-----conn-----> -----ANM----->  
                ... check communication ...  
<-----disc----- <-----REL-----  
                -----RLC----->
```

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service provided' in the ACM or in CPG.
 4. Send user-to-user information.
 5. Receive user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_6_a Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/transit a call having an UUS2 explicit essential request, having the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the IAM set to "ISUP required". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_6a("Request essential service 2; provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:= '1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	UUS2 explicit request
<-----alert-----	<-----ACM-----	UUS2 response
... ringing tone ...		
-----user info----->	-----USR----->	
<-----user info-----	<-----USR-----	
<-----conn-----	<-----ANM-----	
... check communication ...		
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
 2. Check the Service 2 field in the UUInd is set to 'request, essential' in the IAM.
 3. Receive user-to-user information.
 4. Send user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_6_b Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/transit a call having an UUS2 explicit essential request, having the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the IAM set to "ISUP required". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_6_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:= '1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	-----IAM----->	-----IAM----->	UUS2 explicit request
	<-----ACM-----	<-----ACM-----	UUS2 response
			... ringing tone ...
	-----USR----->	-----USR----->	
	<-----USR-----	<-----USR-----	
	<-----ANM-----	<-----ANM-----	
			... check communication ...
	<-----REL-----	<-----REL-----	
	-----RLC----->	-----RLC----->	

-
1. Set up a call from UNI at SPC to SPB with user-to-user service 2 request.
 2. Check the Service 2 field in the UUInd is set to 'request, essential' in the IAM.
 3. Receive user-to-user information.
 4. Send user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_7 Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully complete a call having an UUS2 explicit essential request having the user-to-user indicators parameter in the ACM or CPG set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 ; 1.2.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_7("Request essential service 2; provided")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB? R_USR	USR_AB(cic)	(P)	5.
9		LAB? R_ANM	ANM_AB(cic)		
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=no_info)]	ACM_AB_UUInd(cic)	(P)	3.
12		LAB? R_CPG [(R_CPG.isup_pdu.UUInd.Type='1'B) AND (R_CPG.isup_pdu.UUInd.Serv2=provided)]	CPG_AB_UUInd(cic)	(P)	3.
13		+Check_ringing_tone_BA			
14		LAB! S_USR	USR_BA(cic)		4.
15		LAB? R_USR	USR_AB(cic)	(P)	5.
16		LAB? R_ANM	ANM_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS2 explicit request -----alert-----> -----ACM-----> UUS2 explicit response ... ringing tone ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> -----conn-----> -----ANM-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS2 explicit request -----alert-----> -----ACM-----> -----CPG-----> UUS2 explicit response ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----user info----- <-----USR-----  
-----user info-----> -----USR----->  
-----conn-----> -----ANM----->  
                ... check communication ...  
<-----disc----- <-----REL-----  
                -----RLC----->
```

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, essential'.
 3. Check the response 'Service provided' in the ACM or CPG.
 4. Send user-to-user information.
 5. Receive user-to-user information.

Test Case Dynamic Behaviour

Test Case Name : ISS | 6 | 2 | 9 | a

Group : UUS/UUS2/

Purpose	: To verify that the service can be rejected if no indication is received (no user-to-user indicators parameter) in the first backward message (implicit rejection of service 2).
----------------	---

Note: The remote network does not understand the service 2 request or the remote user cannot support UUS2.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.2 5.2.5.2.1 : 1.2.5.2.2–5.2 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_9_a			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_REL	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
8		+G_Verdict_A_PTC			

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	UUS2 explicit request
	<-----ACM-----	
<-----disc-----	-----REL----->	
	<-----RLC-----	

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
2. Check the Service 2 field in the UUInd is set to 'request, essential' in the IAM.
3. Check that the call is released because there is no UUInd in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_9_b Group : UUS/UUS2/ Purpose : To verify that the service can be rejected if no indication is received (no user-to-user indicators parameter) in the first backward message (implicit rejection of service 2). Note: The network does not understand the service 2 request or the user cannot support UUS2. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2 5.2.5.2.1 ; 1.2.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_9_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_REL	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM----- UUS2 explicit request <-----ACM----- <-----REL----- <-----REL----- -----RLC-----> -----RLC----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from SPC to SPB with user-to-user service 2 request.
2. Check the Service 2 field in the UUInd is set to 'request, essential' in the IAM.
3. Check that the call is released because there is no UUInd in the ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_10 Group : UUS/UUS2/ Purpose : To verify that the IUT discards the user-to-user service information in the additional message if more than two messages are received during the call set up (in each direction). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_10			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv2=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		1.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB? R_USR	USR_AB(cic)	(P)	3.
9		LAB! S_USR	USR_BA(cic)		4.
10		LAB! S_ANM	ANM_BA(cic)		
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> UUS2 explicit request <-----alert----- <-----ACM----- UUS2 response ... ringing tone ... -----user info-----> -----USR-----> <-----user info----- <-----USR----- -----user info-----> -----USR-----> <-----user info----- <-----USR----- -----user info-----> no USR <-----conn----- <-----ANM----- ... check communication ... <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request. 2. Check the Service 2 field in the UUInd is set to 'request, not essential' in the IAM. 3. Check receive 2 user-to-user informations during call set up. 4. Send user-to-user information. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_11 Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully pass on one of the USR messages received just after the answer state has been reached. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.1.1.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_11			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv2=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		1.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		2.
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		LAB? R_USR	USR_AB(cic)	(P)	5.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	UUS2 explicit request
<-----alert-----	<-----ACM-----	UUS2 response
... ringing tone ...		
-----user info----->	-----USR----->	
<-----user info-----	<-----USR-----	
<-----conn-----	<-----ANM-----	
-----user info----->	-----USR----->	
... check communication ...		
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
 2. Check the Service 2 field in the UUInd is set to 'request, not essential' in the IAM.
 3. Check one user-to-user information during call set up.
 4. Send user-to-user information.
 5. Check one user-to-user information after ANM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_13 Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully deliver the user-to-user information in the USR message to the called user after the answer state has been reached. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.2.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_13			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		4.
8		LAB? R_USR	USR_AB(cic)	(P)	5.
9		LAB? R_ANM	ANM_AB(cic)		
10		LAB! S_USR	USR_BA(cic)		6.
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
<-----setup-----	<-----IAM-----	UUS2 explicit request
-----alert----->	-----ACM----->	UUS2 explicit response
... ringing tone ...		
<-----user info-----	<-----USR-----	
-----user info----->	-----USR----->	
-----conn----->	-----ANM----->	
<-----user info-----	<-----USR-----	
... check communication ...		
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service provided' in the ACM.
 4. Send user-to-user information.
 5. Receive user-to-user information.
 6. Send one user-to-user information after ANM.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_2_14a

Group : UUS/UUS2/

Purpose : To verify that the services can be rejected with a REL with Cause value # 29 "facility rejected" or # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name), if more services are requested, one of them is essential and it cannot be provided.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.2.6.13.1 ; 1.2.6.13.3 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_14a			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB! S_RLC	RLC_BA(cic)		
7		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
9		LAB! S_RLC	RLC_BA(cic)		
10		+Check_circuit_idle(cic)			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----setup(UUInf)----- <-----IAM(UUInf)----- UUS1, 2, 3 explicit request ----disc-----> ----REL-----> <----RLC-----					
1. Set up a call UNI at SPB to SPA with user-to-user information and user-to-user service 2, 3 request. 2. The call should be released with cause #29 or #69, because the service 2 cannot be provided.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_2_14b

Group : UUS/UUS2/

Purpose : To verify that the services can be rejected with a REL with Cause value # 29 "facility rejected" or # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name), if more services are requested, one of them is essential and it cannot be provided.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.2.6.13.1 ; 1.2.6.13.3 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_14b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv1=req_not_essential) AND (R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf		
4		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_29, S_REL.isup_pdu.Cause.Diag:=PN_UUInd)	REL_BA(cic)		2.
5		LAB? R_RLC	RLC_AB(cic)		
6		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
7		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_69, S_REL.isup_pdu.Cause.Diag:=PN_UUInd)	REL_BA(cic)		2.
8		LAB? R_RLC	RLC_AB(cic)		
9		+Check_circuit_idle(cic)			
10		+G_Verdict_A_PTC			
<div>Detailed Comments :<div>accessSPASPB</div><div>-----setup(UUInf)----->-----IAM(UUInf)----->UUS1, 2, 3 explicit request</div><div><---disc-----<---REL-----</div><div>-----RLC-----></div></div> <div><div>1. Set up a call UNI at SPA to SPB with user-to-user information and user-to-user service 2, 3 request.</div><div>2. The call should be released with cause #29 or #69, because the service 2 cannot be provided.</div></div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_6_2_15a

Group : UUS/UUS2/

Purpose : To verify that the IUT can successfully complete a call with an UUS2 explicit non-essential request, having the user-to-user indicators parameter set to "service provided" in the ACM or CPG. At the same time the UUS1 (or UUS3) service can be rejected and the user-to-user indicators in the ACM, CPG, ANM, CON or REL are set to "service 1 (or 3) not provided" .

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.2.6.13.1 ; 1.2.6.13.3 /Q.737

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_15a("Request user-to-user service 1; provided; request user-to-user service 2; provided; request user-to-user service 3; provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential) AND ((R_IAM.isup_pdu.UUInd.Serv2=req_not_essential) OR (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential))] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd_UUInf	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd_UUInf(cic)		
5		+Check_ringing_tone_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		3.
8		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=not_provided)	ANM_BA_UUInd_UUInf(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
<div>Detailed Comments :</div> <div><div>access</div><div>SPA</div><div>SPB</div><div>-----setup(UUInf)-----> -----IAM(UUInf)-----> UUS1, 2, 3 explicit request</div><div><---alert(UUInf)----- <---ACM(UUInf)----- UUS1, 2 explicit response</div><div>... ringing tone ...</div><div>-----user info-----> -----USR-----</div><div><---user info----- <---USR-----</div><div><---conn(UUInf)----- <---ANM(UUInf)----- UUS 3 explicit response</div><div>... check communication ...</div><div><---disc(UUInf)----- <---REL(UUInf)-----</div><div>-----RLC-----></div></div> <div><div>1. Set up a call from UNI at SPA to SPB with user-to-user information and user-to-user service 2, 3 request.</div><div>2. Check that the Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'.</div><div>3. Send/Receive user-to-user information (support of service 2).</div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_15b Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully complete a call with an UUS2 explicit non-essential request, having the user-to-user indicators parameter set to "service provided" in the ACM or CPG. At the same time the UUS1 (or UUS3) service can be rejected and the user-to-user indicators in the ACM, CPG, ANM, CON or REL are set to "service 1 (or 3) not provided" . Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.6.13.1 ; 1.2.6.13.3 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS1 and UUS2 (or UUS3) supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_15b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Type:=0'B, S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential, S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd_UUInf(cic)	(P)	
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB? R_USR	USR_AB(cic)	(P)	3.
9		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=not_provided)]	ANM_AB_UUInd_UUInf(cic)	(P)	
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
<div>Detailed Comments : access SPA SPB</div> <div><----setup(UUInf)----- <-----IAM(UUInf)----- UUS1, 2, 3 explicit request -----alert(UUInf)-----> -----ACM(UUInf)----->UUS1, 2 explicit response ... ringing tone ... <-----user info----- <----USR----- -----user info-----> ----USR-----> -----conn(UUInf)-----> ----ANM(UUInf)-----> UUS 3 explicit response ... check communication ... <-----disc(UUInf)----- <----REL(UUInf)----- -----RLC-----></div> <div>1. Set up a call from UNI at SPB to SPA with user-to-user information and user-to-user service 2, 3 request. 2. The Service 1, 2, 3 fields in UUInd are set each to 'request, not essential'. 3. Send/Receive user-to-user information (support of Service 2). Note: Repeat the testcase by setting the response of service 1 or 3 requests in CPG, ANM, REL or CON.</div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_16a Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/complete a call with UUS2 and UUS3 service requested after call set up. The Service 2 field of the user-to-user indicators in the FAR, FAA or FRJ is then set to "no information". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.6.13.3 ; 1.2.6.13.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 and UUS3 supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_16a			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv2=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	2.
4		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_USR	USR_AB(cic)	(P)	3.
7		LAB! S_USR	USR_BA(cic)		3.
8		LAB! S_ANM	ANM_BA(cic)		
9		+Check_communication			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		LAB? R_FAR [(R_FAR.isup_pdu.UUInd.Serv2=no_info) AND (R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AB(cic)	(P)	4.
11		LAB! S_FAA (S_FAA.isup_pdu.UUInd.Type:='1'B, S_FAA.isup_pdu.UUInd.Serv1:=no_info, S_FAA.isup_pdu.UUInd.Serv3:=provided)	FAA_BA(cic)		
12		LAB? R_USR	USR_AB(cic)	(P)	5.
13		LAB! S_USR	USR_BA(cic)		5.
14		+S_REL_etc_BA			
15		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> UUS2 explicit request <-----alert----- <-----ACM----- UUS2 explicit response ... ringing tone ... -----user info-----> -----USR----- <-----user info----- <-----USR----- <-----conn----- <-----ANM----- ... check communication ... -----facilityreq-----> -----FAR-----> UUS3 request <-----facilityind----- <-----FAA----- UUS3 response -----user info-----> -----USR----- <-----user info----- <-----USR----- <-----disc----- <-----REL----- -----RLC----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from UNI at SPA to SPB with user-to-user service 2 request.
2. Check that the Service 2 fields in UUInd is set to 'request, not essential'.
3. Send/Receive user-to-user information (support of service 2)
4. Check request of service 3 in FAR.
5. Send/Receive user-to-user information (support of service 3)

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_2_16b Group : UUS/UUS2/ Purpose : To verify that the IUT can successfully originate/complete a call with UUS2 and UUS3 service requested after call set up. The Service 2 field of the user-to-user indicators in the FAR, FAA or FRJ is then set to "no information". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.6.13.3 ; 1.2.6.13.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS2 and UUS3 supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_16b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Type:= '0'B, S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AB_UUInd(cic)	(P)	
6		+Check_ringing_tone_BA			
7		LAB! S_USR	USR_BA(cic)		3.
8		LAB? R_USR	USR_AB(cic)		3.
9		LAB? R_ANM	ANM_AB_UUInf(cic)		
10		+Check_communication			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Serv2:=no_info, S_FAR.isup_pdu.UUInd.Type:='0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		4.
12		LAB? R_FAA [(R_FAA.isup_pdu.UUInd.Type='1'B) AND (R_FAA.isup_pdu.UUInd.Serv1=no_info) AND (R_FAA.isup_pdu.UUInd.Serv3=provided)]	FAA_AB(cic)	(P)	5.
13		LAB! S_USR	USR_BA(cic)		6.
14		LAB? R_USR	USR_AB(cic)		6.
15		+S_REL_etc_BA			
16		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS2 explicit request -----alert-----> -----ACM-----> UUS2 explicit response ... ringing tone ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> -----conn-----> -----ANM-----> ... check communication ... <-----facilityreq----- <-----FAR----- UUS3 request -----facilityind-----> -----FAA-----> UUS3 response <-----user info----- <-----USR----- -----user info-----> -----USR-----> <-----disc----- <-----REL----- -----RLC----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
2. The Service 2 fields in UUInd is set to 'request, not essential'.
3. Send/Receive user-to-user information (support of service 2)
4. The service 3 is requested in FAR.
5. Check service 3 is provided in FAA.
6. Send/Receive user-to-user information (support of service 3)

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_4 Group : UUS/NO_UUS2/ Purpose : To verify that the UUS2 service can be rejected and the user-to-user indicators in the ACM or CPG are set to "service 2 not provided". Note: The network or the user cannot support UUS2. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.5.2.2 ; 1.2.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_4("Reject user-to-user service 2")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=not_provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+R_ANM_etc_AB			
7		LAB? R_ACM	ACM_AB(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.UUInd.Type='1'B) AND (R_CPG.isup_pdu.UUInd.Serv2=not_provided)]	CPG_AB_UUInd(cic)	(P)	3.
9		+R_ANM_etc_AB			
10		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB

```

<-----setup----- <-----IAM----- UUS2 explicit request
-----alert-----> -----ACM-----> UUS2 explicit response (service not provided)
... ringing tone ...
-----conn-----> -----ANM----->
... check communication ...
<-----disc----- <-----REL-----
-----RLC----->

--*OR*--
<-----setup----- <-----IAM----- UUS2 explicit request
-----ACM----->
-----alert-----> -----CPG-----> UUS2 explicit response (service not provided)
... ringing tone ...
-----conn-----> -----ANM----->
... check communication ...
<-----disc----- <-----REL-----
-----RLC----->

```

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service not provided' in the ACM or CPG.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_5 Group : UUS/NO_UUS2/ Purpose : To verify that the IUT can successfully complete a call with an UUS2 explicit non-essential request, if no indication is provided in the backward direction. Note: The network or the user cannot support UUS2. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.5.2.3 ; 1.2.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_5("Reject user-to-user service 2, because the user cannot support the service")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=no_info)]	ACM_AB_UUInd(cic)	(P)	3.
6		+R_ANM_etc_AB			
7		LAB? R_ACM	ACM_AB(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.UUInd.Type='1'B) AND (R_CPG.isup_pdu.UUInd.Serv2=no_info)]	CPG_AB_UUInd(cic)	(P)	3.
9		+R_ANM_etc_AB			
10		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments :

access	SPA	SPB
<-----setup-----	<-----IAM-----	UUS2 explicit request
-----alert----->	-----ACM----->	UUS2 response (no information)
	... ringing tone ...	
-----conn----->	-----ANM----->	
	... check communication ...	
<-----disc-----	<-----REL-----	
	-----RLC----->	
--*OR*--		
<-----setup-----	<-----IAM-----	UUS2 explicit request
	-----ACM----->	
-----alert----->	-----CPG----->	UUS2 response (no information)
	... ringing tone ...	
-----conn----->	-----ANM----->	
	... check communication ...	
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request.
 2. The Service 2 field in the UUInd is set to 'request, not essential'.
 3. Check that the service 2 field is set to 'no information' in the ACM or CPG.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_8_a Group : UUS/NO_UUS2/ Purpose : To verify that the service can be rejected with a REL with the Cause value 29 "facility rejected" or 69 "requested facility not implemented" or value 88 "incompatible destination", all with diagnostics (user-to-user indicators name). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.5.2.2 ; 1.2.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_8_a			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB? R_RLC	RLC_AB(cic)		
7		+Check_circuit_idle(cic)			
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_88) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
12		LAB? R_RLC	RLC_AB(cic)		
13		+Check_circuit_idle(cic)			
14		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- UUS2 explicit request -----disc-----> -----REL-----> <-----RLC-----					
1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request. 2. The call should be released with cause #29 or #69 or #88.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_8_b Group : UUS/NO_UUS2/ Purpose : To verify that the service can be rejected with a REL with the Cause value 29 "facility rejected" or 69 "requested facility not implemented" or value 88 "incompatible destination", all with diagnostics (user-to-user indicators name). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.2.5.2.5.2.2 ; 1.2.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_8_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_UUInd_UUInf(cic)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB? R_RLC	RLC_AB(cic)		
7		+Check_circuit_idle(cic)			
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
9		LAB? R_RLC	RLC_AB(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_88) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
12		LAB? R_RLC	RLC_AB(cic)		
13		+Check_circuit_idle(cic)			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> SPC <-----IAM-----> -----CFN-----> <-----REL-----> -----RLC-----> </div> <div style="text-align: center;"> SPA </div> <div style="text-align: center;"> SPB UUS2 explicit request </div> </div> <hr style="width: 80%; margin-top: 20px;"/> <ol style="list-style-type: none"> 1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request. 2. The call should be released with cause #29 or #69 or #88. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_2_12 Group : UUS/NO_UUS2/ Purpose : To verify that the UUS2 explicit non-essential service can be rejected and the user-to-user indicators in the ACM or CON are set to "service 2 not provided". Note: The user-to-user service is rejected because e.g. the Gateway received a CFN from the succeeding network (see note 2 table 1-2). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: ISUP v2 reference 1.2.5.2.2.2 table 1-2 /Q.737					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_2_12			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_BA_UUInd(cic)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=not_provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB(cic)		
8		+S_REL_etc_BA			
9		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv2=not_provided)]	CON_AB_UUInd(cic)	(P)	3.
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <p><-----IAM----- <-----IAM----- UUS2 explicit request</p> <p>-----CFN-----> -----ACM-----> UUS2 explicit response</p> <p>... ringing tone ...</p> <p>-----CON-----> -----ANM-----></p> <p>... check communication ...</p> <p><-----REL----- <-----REL-----</p> <p>-----RLC-----></p> <hr/> <p>1. Set up a call from UNI at SPB to SPA with user-to-user service 2 request. 2. The Service 2 field in the UUInd is set to 'request, not essential'. 3. Check the response 'Service not provided' in the ACM or CON.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_1 Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully initiate a call having 32 octets of user-to-user information in each message. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.2.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_1("Request non essential user-to-user service 3; provided")			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv3=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		1.
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_USR [R_USR.isup_pdu.UUInf.length = '20'O]	USR_AB(cic)	(P)	2.
9		LAB! S_USR	USR_BA(cic)		
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	UUS3 explicit request
<-----alert-----	<-----ACM-----	
... ringing tone ...		
<-----conn-----	<-----ANM-----	UUS3 response
... check communication ...		
-----user info----->	-----USR----->	
<-----user info-----	<-----USR-----	
<-----disc-----	<-----REL-----	
	-----RLC----->	

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 3 request.
 2. Check that the user-to-user information field in the USR contains 32 octets.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_2 Group : UUS/UUS3/ Purpose : To verify that the IUT can reject an UUS3 request after call set up, if it has been rejected at the call set up. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.2.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_2("Request non essential user-to-user service 3; not provided")			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv3=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		1.
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type='1'B, S_ANM.isup_pdu.UUInd.Serv3:=not_provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_FAR [(R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AB(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		LAB! S_FRJ (S_FRJ.isup_pdu.UUInd.Type:='1'B, S_FRJ.isup_pdu.UUInd.Serv3:=not_provided)	FRJ_BA(cic)		
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> UUS3 explicit request <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- UUS3 response ... check communication ... -----facilityreq-----> -----FAR-----> <-----facilityreject----- <-----FRJ----- ... check communication ... <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPA to SPB with user-to-user service 3 request.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_3_a Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully originate/transit a call with an UUS3 explicit non-essential request, having the user-to-user indicators in the IAM set to "request, not essential". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_3a("Request non essential user-to-user service 3; provided")			1.
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv3=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_USR	USR_AB(cic)		
9		LAB! S_USR	USR_BA(cic)		
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> UUS3 explicit request <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- UUS3 response ... check communication ... -----user info-----> -----USR-----> <-----user info----- <-----USR----- <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPA to SPB with user-to-user service 3 request.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_3_b Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully originate/transit a call with an UUS3 explicit non-essential request, having the user-to-user indicators in the IAM set to "request, not essential". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_3_b			
3		LAB? R_IAM [R_IAM.isup_pdu.UUInd.Serv3=req_not_essential] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	1.
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_USR	USR_AB(cic)		
9		LAB! S_USR	USR_BA(cic)		
10		+S_REL_etc_BA			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** SPC

SPA

SPB

-----IAM-----> -----IAM-----> UUS3 explicit request

<-----ACM----- <-----ACM-----

... ringing tone ...

<-----ANM----- <-----ANM----- UUS3 response

... check communication ...

-----USR-----> -----USR----->

<-----USR----- <-----USR-----

<-----REL----- <-----REL-----

-----RLC-----> -----RLC----->

1. Set up a call from UNI at SPC to SPB with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_4a Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, having the Service 3 field in the user-to-user indicators parameter in the ANM or CON set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_4a("Request service 3 non essential; provided")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AB_UUInd(cic)	(P)	
8		+Check_communication			
9		LAB! S_USR	USR_BA(cic)		
10		LAB? R_USR	USR_AB(cic)		
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=provided)]	CON_AB_UUInd(cic)	(P)	
14		+Check_communication			
15		LAB! S_USR	USR_BA(cic)		
16		LAB? R_USR	USR_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ... <-----disc----- <-----REL-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC----->

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_4b Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, having the Service 3 field in the user-to-user indicators parameter in the ANM or CON set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_4b("Request service 3 non essential; provided")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AB_UUInd(cic)	(P)	
8		+Check_communication			
9		LAB! S_USR	USR_BA(cic)		
10		LAB? R_USR	USR_AB(cic)		
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=provided)]	CON_AB_UUInd(cic)	(P)	
14		+Check_communication			
15		LAB! S_USR	USR_BA(cic)		
16		LAB? R_USR	USR_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <----setup----- <----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response ... check communication ... <----user info----- <----USR----- -----user info-----> -----USR-----> ... check communication ... <----disc----- <----REL-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC----->

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_7_a Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully originate a call with an UUS3 explicit essential request, having in the IAM the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the forward call indicators set to "ISUP required all the way". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_7a("Service 3 must be requested essential; provided")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv3=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type='1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_USR	USR_AB(cic)		2.
9		LAB! S_USR	USR_BA(cic)		2.
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> UUS3 explicit request <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- UUS3 response ... check communication ... -----user info-----> -----USR-----> <-----user info----- <-----USR----- <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPA to SPB with user-to-user service 3 request. 2. Send/Receive user-touser information.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_7_b Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully transit a call with an UUS3 explicit essential request, having in the IAM the user-to-user indicators set to "request, essential" and the ISDN user part preference indicator in the forward call indicators set to "ISUP required all the way". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_7_b			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Serv3=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd	(P)	
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM (S_ANM.isup_pdu.UUInd.Type:=1'B, S_ANM.isup_pdu.UUInd.Serv3:=provided)	ANM_BA_UUInd(cic)		
7		+Check_communication			
8		LAB? R_USR	USR_AB(cic)		2.
9		LAB! S_USR	USR_BA(cic)		
10		+S_REL_etc_BA			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** SPC

SPA

SPB

```
-----IAM-----> -----IAM-----> UUS3 explicit request
<-----ACM----- <-----ACM----- UUS3 response
                        ... ringing tone ...
<-----ANM----- <-----ANM-----
                        ... check communication ...
-----USR-----> -----USR----->
<-----USR----- <-----USR-----
<-----REL----- <-----REL-----
-----RLC-----> -----RLC----->
```

-
1. Set up a call from UNI at SPA to SPB with user-to-user service 3 request.
 2. Send/Receive user-to-user information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_8a Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit essential request having in the ANM or CON the Service 3 field of the user-to-user indicators parameter set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_8a("Request essential user-to-user service 3; provided")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AB_UUInd(cic)	(P)	
8		+Check_communication			
9		LAB! S_USR	USR_BA(cic)		
10		LAB? R_USR	USR_AB(cic)		
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Verdict_A_PTC			
13		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=provided)]	CON_AB_UUInd(cic)	(P)	
14		+Check_communication			
15		LAB! S_USR	USR_BA(cic)		
16		LAB? R_USR	USR_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----disc----- <-----REL-----
-----RLC----->

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_8b Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit essential request having in the ANM or CON the Service 3 field of the user-to-user indicators parameter set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_8b("Request essential user-to-user service 3; provided")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AB_UUInd(cic)	(P)	
8		+Check_communication			
9		LAB! S_USR	USR_BA(cic)		
10		LAB? R_USR	USR_AB(cic)		
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Verdict_A_PTC			
13		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=provided)]	CON_AB_UUInd(cic)	(P)	
14		+Check_communication			
15		LAB! S_USR	USR_BA(cic)		
16		LAB? R_USR	USR_AB(cic)		
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ... <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response ... check communication ... <-----user info----- <-----USR----- -----user info-----> -----USR-----> ... check communication ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----disc----- <-----REL-----
-----RLC----->

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_10_a Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully generate transmit an UUS3 explicit non-essential request, with a FAR having the facility indicator parameter set to "user-to-user service" and the Service 3 field in the user-to-user indicators set to "request, not essential". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_10a("Request service 3 non essential during the active phase; not provided")			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB? R_FAR [(R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AB(cic)	(P)	1.
9		LAB! S_FRJ (S_FRJ.isup_pdu.UUInd.Type='1'B, S_FRJ.isup_pdu.UUInd.Serv3:=not_provided)	FRJ_BA(cic)		
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... -----facilityreq-----> -----FAR-----> UUS3 explicit request <-----facilityreject----- <-----FRJ----- UUS3 response ... check communication ... <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Service 3 request during the active phase.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_10_b Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully transit an UUS3 explicit non-essential request, with a FAR having the facility indicator parameter set to "user-to-user service" and the Service 3 field in the user-to-user indicators set to "request, not essential". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_10_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB? R_FAR [(R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AB(cic)	(P)	1.
9		LAB! S_FRJ (S_FRJ.isup_pdu.UUInd.Type='1'B, S_FRJ.isup_pdu.UUInd.Serv3:=not_provided)	FRJ_BA(cic)		
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : SPC SPA SPB

```

-----IAM-----> -----IAM----->
<-----ACM----- <-----ACM-----
... ringing tone ...
<-----ANM----- <-----ANM-----
... check communication ...
-----FAR-----> -----FAR-----> UUS3 explicit request
<-----FRJ----- <-----FRJ----- UUS3 response
... check communication ...
<-----REL----- <-----REL-----
-----RLC-----> -----RLC----->

```

1. Service 3 request during the active phase.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_11 Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully reply to an UUS3 explicit non-essential request with a FAA having the facility indicator parameter set to "user-to-user service" and the Service 3 field in the user-to-user indicators parameter set to "service provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.1.1.2 ; 1.3.5.2.2-5.1 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_11("Request service 3 non essential during the active phase; provided")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB?R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Type:='0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		1.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		LAB? R_FAA [(R_FAA.isup_pdu.UUInd.Type='1'B) AND (R_FAA.isup_pdu.UUInd.Serv3=provided)]	FAA_AB(cic)	(P)	2.
11		LAB! S_USR	USR_BA(cic)		3.
12		LAB? R_USR	USR_AB(cic)		3.
13		+S_REL_etc_BA			
14		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> ... check communication ... <-----facilityreq----- <-----FAR----- UUS3 request -----facilityind-----> -----FAA-----> UUS3 response <-----user info----- <-----USR----- -----user info-----> -----USR-----> <-----disc----- <-----REL----- -----RLC----->					
1. The service 3 is requested in FAR. 2. Check service 3 is provided in FAA. 3. Send/Receive user-to-user information (support of service 3)					

Test Case Dynamic Behaviour

Test Case Name : ISS_I_6_3_12

Group : UUS/UUS3/

Purpose : To verify that the UUS3 explicit non-essential service can be rejected and the Service 3 field in the user-to-user indicators in the ACM or CON are set to "service 3 not provided".
Note: The user-to-user service is rejected because the Gateway received e.g. a CFN from the succeeding network (note 2 table 1-3).

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: ISUP v2 reference table 1-3 /Q.737

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_12			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_UUInd(cic)		2.
5		LAB? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv3=not_provided)]	ACM_AB_UUInd(cic)	(P)	3.
6		+Check_ringing_tone_BA			
7		LAB? R_ANM	ANM_AB(cic)		
8		+S_REL_etc_BA			
9		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=not_provided)]	CON_AB_UUInd(cic)	(P)	3.
10		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <-----IAM----- <-----IAM----- UUS3 explicit request					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----CFN----->
-----ACM----->  -----ACM-----> UUS3 explicit response
                        ... ringing tone ...
-----ANM----->  -----ANM----->
                        ... check communication ...

<-----REL-----  <-----REL-----
-----RLC----->  -----RLC----->
```

-
1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.
 2. The Service 3 field in the UUInd is set to 'request, not essential'.
 3. Check the response 'Service not provided' in the ACM or CON.

Test Case Dynamic Behaviour

Test Case Name : ISS | 6 | 3 | 13

Group : UUS/UUS3/

Purpose	: To verify that the IUT can successfully complete a call with an UUS3 request in the FAR, if the FAA or FRJ are discarded.
----------------	---

Note: The FAA or FRJ are discarded because e.g. the FAR contains unrecognized or inconsistent information.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.3.5.2.5.2.2 /Q.737
PRE-TEST CONDITIONS :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_13			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Type:='0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		1.
9		+Check_communication			
10		+S_REL_etc_BA			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> SPC -----IAM-----> <-----ACM----- ... ringing tone ... </div> <div style="text-align: center;"> SPA -----IAM-----> <-----ACM----- </div> <div style="text-align: center;"> SPB -----IAM-----> <-----ACM----- </div> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----ANM----- <-----ANM-----  
    ... check communication ...  
<-----FAR----- <-----FAR----- UUS3 explicit request  
    (no FAA or FRJ)  
    ... check communication ...  
<-----REL----- <-----REL-----  
-----RLC----->  -----RLC----->
```

1. Service 3 request during the active phase.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_14 Group : UUS/UUS3/ Purpose : To verify that the UUS3 explicit non-essential service during the active phase of the call can be rejected and the Service 3 field in the user-to-user indicators in the FRJ is set to "service 3 not provided". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_14			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Type='0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		1.
9		LAB? R_FRJ [(R_FRJ.isup_pdu.UUInd.Type='1'B) AND (R_FRJ.isup_pdu.UUInd.Serv3=not_provided)]	FRJ_AB(cic)	(P)	
10		+Check_communication			
11		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----ACM----- <-----ACM-----  
... ringing tone ...  
<-----ANM----- <-----ANM-----  
... check communication ...  
<-----FAR----- <-----FAR----- UUS3 explicit request  
-----FRJ-----> -----FRJ-----> UUS3 response (serv. not provided)  
... check communication ...  
<-----REL----- <-----REL-----  
-----RLC-----> -----RLC----->
```

1. Service 3 request during the active phase.

Test Case Dynamic Behaviour				
Test Case Name : ISS_V_6_3_15 Group : UUS/UUS3/ Purpose : To verify that the services can be rejected with a REL having the Cause value # 29 "facility rejected" or # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name),. if more services are requested one of them essential which cannot be provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.6.13.1 ; 1.3.6.13.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 and UUS1 or (UUS2) supplementary services.				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		+Preamble		
Detailed Comments : See ISS_V_6_2_14				

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_16 Group : UUS/UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, having the Service 3 field in the user-to-user indicators parameter set to "service provided" in ANM or CON. At the same time the UUS1 (or UUS2) service can be rejected and the user-to-user indicators in the ACM or CPG or ANM or CON or REL are set to "service 1 (or 2) not provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.6.13.1; 1.3.6.13.2 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 and UUS1 (or UUS2) supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
Detailed Comments : See ISS_V_6_2_15					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_6_3_17 Group : UUS/UUS3/ Purpose : To verify that if the FAR is received while a call is suspended, the IUT returns a FRJ with the Service 3 field in the user-to-user indicators set to "Service 3 not provided". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.6.18 /Q.737 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to the UUS3 and TP supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_6_3_17			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_SUS (S_SUS.isup_pdu.SusRes.SusResI:='0'B)	SUS_BA(cic)	(P)	
9		LAB! S_FAR (S_FAR.isup_pdu.UUInd.Type:='0'B, S_FAR.isup_pdu.UUInd.Serv3:=req_not_essential)	FAR_BA(cic)		
10		LAB? R_FRJ [(R_FRJ.isup_pdu.UUInd.Type='1'B) AND (R_FRJ.isup_pdu.UUInd.Serv3:=not_provided)]	FRJ_AB(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> <-----alert-----> <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... <-----tpsuspend---- <-----SUS----- <-----FAR----- UUS3 explicit request -----FRJ-----> UUS3 response ... check communication ... <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPA to SPB which has been suspended.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_5_a1 Group : UUS/NO_UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, if no indication is provided in the backward direction. Note: The network or the user cannot support UUS3. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.3 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_6_3_5a1("The called user does not support UUS3")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=no_info)]	ANM_AB_UUInd(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
10		LAB? R_ANM	ANM_AB(cic)	(P)	
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=no_info)]	CON_AB_UUInd(cic)	(P)	
14		+S_REL_etc_BA			
15		+G_Verdict_A_PTC			
16		LAB? R_CON	CON_AB(cic)	(P)	
17		+S_REL_etc_BA			
18		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response (no information) ... check communication <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response (no information) ... check communication <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_5_a2_nok Group : UUS/NO_UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, if no indication is provided in the backward direction. Note: The network or the user cannot support UUS3. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.3 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_6_3_5a1("The called user does not support UUS3")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=no_info)]	ANM_AB_UUInd(cic)	(P)	
8		+S_REL_etc_BA			
9		LAB? R_ANM	ANM_AB(cic)	(P)	
10		+S_REL_etc_BA			
11		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=no_info)]	CON_AB_UUInd(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+S_REL_etc_BA	CON_AB(cic)	(P)	
13		LAB? R_CON			
14		+S_REL_etc_BA			
<div>Detailed Comments : access SPA SPB</div> <div><-----setup----- <-----IAM----- UUS3 explicit request</div> <div>-----alert-----> -----ACM-----></div> <div>... ringing tone ...</div> <div>-----conn-----> -----ANM-----> UUS3 response (no information)</div> <div>... check communication</div> <div><-----disc----- <-----REL-----</div> <div>-----RLC-----></div> <div><-----setup----- <-----IAM----- UUS3 explicit request</div> <div>-----conn-----> -----CON-----> UUS3 response (no information)</div> <div>... check communication</div> <div><-----disc----- <-----REL-----</div> <div>-----RLC-----></div> <div>1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.</div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_5_b Group : UUS/NO_UUS3/ Purpose : To verify that the IUT can successfully complete a call with an UUS3 explicit non-essential request, if no indication is provided in the backward direction. Note: The network or the called user cannot support UUS3. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_6_3_5_b			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_UUInd(cic)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=no_info)]	ANM_AB_UUInd(cic)	(P)	
8		+S_REL_etc_BA			
9		LAB? R_ANM	ANM_AB(cic)	(P)	
10		+S_REL_etc_BA			

Continued on next page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=no_info)]	CON_AB_UUInd(cic)	(P)	
12		+S_REL_etc_BA			
13		LAB? R_CON	CON_AB(cic)	(P)	
14		+S_REL_etc_BA			

Detailed Comments :

SPC

SPA

SPB

```

<-----IAM-----<-----IAM-----UUS3 explicit request
-----ACM----->-----ACM----->
... ringing tone ...
-----ANM----->-----ANM----->UUS3 response (no information)
... check communication ... ..
<-----REL-----<-----REL-----
-----RLC----->-----RLC----->

<-----IAM-----<-----IAM-----UUS3 explicit request
-----CON----->-----CON----->UUS3 response (no information)
... check communication ... ..
<-----REL-----<-----REL-----
<-----REL-----<-----REL-----
-----RLC----->-----RLC----->

```

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_6_a Group : UUS/NO_UUS3/ Purpose : To verify that the UUS3 service can be rejected and the Service 3 field in the user-to-user indicators in the ANM or CON are set to "service 3 not provided". Note: The network or the called user cannot support UUS3. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_6_3_6a1("The called user does not support UUS3")			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_CdPN_UUInd(cic , TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=not_provided)]	ANM_AB_UUInd(cic)	(P)	
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
10		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=not_provided)]	CON_AB_UUInd(cic)	(P)	
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Verdict_A_PTC			
<p>Detailed Comments :</p> <pre> access SPA SPB <-----setup----- <-----IAM----- UUS3 explicit request -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> UUS3 response (service not provided) ... check communication <-----disc----- <-----REL----- -----RLC-----> <-----setup----- <-----IAM----- UUS3 explicit request -----conn-----> -----CON-----> UUS3 response (service not provided) ... check communication <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_6_b Group : UUS/NO_UUS3/ Purpose : To verify that the UUS3 service can be rejected and the Service 3 field in the user-to-user indicators in the ANM or CON are set to "service 3 not provided". Note: The network or the called user cannot support UUS3. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_6_b			
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_BA_UUInd(cic)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_BA			
7		LAB? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=not_provided)]	ANM_AB_UUInd(cic)	(P)	
8		+S_REL_etc_BA			
9		LAB? R_CON [(R_CON.isup_pdu.UUInd.Type='1'B) AND (R_CON.isup_pdu.UUInd.Serv3=not_provided)]	CON_AB_UUInd(cic)	(P)	
10		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : SPC SPA SPB

```

<-----IAM----- <-----IAM----- UUS3 explicit request
-----ACM-----> -----ACM----->
... ringing tone ...
-----ANM-----> -----ANM-----> UUS3 response
... check communication ... ...
<-----REL----- <-----REL-----
-----RLC-----> -----RLC----->

<-----IAM----- <-----IAM----- UUS3 explicit request
-----CON-----> -----CON-----> UUS3 response
... check communication ... ...
<-----REL----- <-----REL-----
<-----REL----- <-----REL-----
-----RLC-----> -----RLC----->

```

1. Set up a call from UNI at SPB to SPA with user-to-user service 3 request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_9_a Group : UUS/NO_UUS3/ Purpose : To verify that the service can be rejected with a REL having the Cause value # 29 "facility rejected", # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name). Note: The network or the called user cannot support the service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_9_a			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_CdPN_UUInd_UU Inf(cic, TSP_Nb_A)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB? R_RLC	RLC_AB(cic)		
7		+Check_circuit_idle(cic)			
8		+G_Verdict_A_PTC			
9		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
10		LAB? R_RLC	RLC_AB(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+Check_circuit_idle(cic)			
12		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup----- <-----IAM----- UUS3 explicit request -----disc-----> -----REL-----> <-----RLC----- </pre> <hr/> <p>1. Set up a call UNI at SPB to SPA with user-to-user service 3 request. 2. The call should be released with cause #29 or #69.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_6_3_9_b Group : UUS/NO_UUS3/ Purpose : To verify that the service can be rejected with a REL having the Cause value # 29 "facility rejected", # 69 "requested facility not implemented", either with diagnostics (user-to-user indicators name). Note: The network or the called user cannot support the service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.3.5.2.5.2.2 ; 1.3.5.2.2-5.2 /Q.737 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_6_3_9_b			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_BA_UUInd_UUInf(cic)		
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
6		LAB? R_RLC	RLC_AB(cic)		
7		+Check_circuit_idle(cic)			
8		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_69) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AB(cic)	(P)	2.
9		LAB! S_RLC	RLC_BA(cic)		
10		+Check_circuit_idle(cic)			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : SPC SPA SPB

<-----IAM-----<-----IAM----- UUS3 explicit request
-----CFN----->
-----REL----->
<-----REL-----
-----RLC-----<-----RLC-----
-----RLC----->

-
1. Set up a call UNI at SPB to SPC with user-to-user service 3 request.
 2. The call should be released with cause #29 or #69.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_1 Group : CUG/ Purpose : To verify that the IUT can successfully establish a CUG call by including the CUG interlock code together with an indication of "CUG call, outgoing access not allowed" in the optional forward call indicators in the IAM. The ISUP preference indicator of the forward call indicators in the IAM should be set to "ISUP required all the way". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1 i) a) /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling party subscribes to the CUG without outgoing access supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_7_1("CUG call, outgoing access not allowed")			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.OFCI.CUGCI='11'B) AND (R_IAM.isup_pdu.FCI.IPI='10'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI_CUGIC	(P)	2.
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM (CUG)-----> (-OA) - with outgoing access not allowed : <hr/> 1. Set up a CUG call from the access specifying a CUG interlock code. The CUG call is with outgoing access not allowed. 2. CUGCI set to 'CUG call, outgoing access not allowed' and IPI set to 'ISUP required all the way'.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_7_2

Group : CUG/

Purpose	: To verify that the IUT can successfully transfer all information related to a CUG call, i.e. CUG interlock code together with an indication of "CUG call, outgoing access not allowed" in the optional forward call indicators in the IAM.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.5.2.2.1; 1.5.2.3.1; 1.5.2.4.1 /Q.735

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_7_2			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.OFCI.CUGCI='11'B) AND (R_IAM.isup_pdu.FCI.IPI='10'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI_CUGIC	(P)	2.
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM (CUG)-----> -----IAM (CUG)-----> (-OA) : <hr/> 1. Initiate a CUG call set up from SPC specifying a CUG interlock code. The CUG call is with outgoing access not allowed. 2. CUGCI set to 'CUG call, outgoing access not allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_3 Group : CUG/ Purpose : To verify that the IUT can successfully convert a national into an international CUG interlock code (or vice versa) and that the indication "CUG call, outgoing access not allowed" in the optional forward call indicators in the IAM is passed on transparently. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.3.1; 1.5.2.4.1 /Q.735					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_7_3			1.
3		[OutIE]			
4		LAB? R_IAM [(R_IAM.isup_pdu.OFCI.CUGCI='11'B) AND (R_IAM.isup_pdu.CUGIC.Ntwld=TSP_CUGIC_Ntwld_int) AND (R_IAM.isup_pdu.CUGIC.BinCode= TSP_CUGIC_BinCode_int) AND (R_IAM.isup_pdu.FCI.IPI='10'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI_CUGIC	(P)	2.
5		+S_ACM_etc_BA			
6		[InclE]			
7		LAB? R_IAM [(R_IAM.isup_pdu.OFCI.CUGCI='11'B) AND (R_IAM.isup_pdu.CUGIC.Ntwld=TSP_CUGIC_Ntwld) AND (R_IAM.isup_pdu.CUGIC.BinCode= TSP_CUGIC_BinCode) AND (R_IAM.isup_pdu.FCI.IPI='10'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI_CUGIC	(P)	3.
8		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM (CUG)-----> -----IAM (CUG)-----> (-OA)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:

1. Initiate a CUG call set up from SPC specifying a CUG interlock code. The CUG call is with outgoing access not allowed.
2. CUGCI set to 'CUG call, outgoing access not allowed' and international CUGIC for OutIE.
3. CUGCI set to 'CUG call, outgoing access not allowed' and national CUGIC for IncIE.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_6 Group : CUG/ Purpose : To verify that the IUT can successfully establish a CUG call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG and no incoming calls are barred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access not allowed; no incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_same CUG_noIA)		2.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM (CUG)----- (-OA,-ICB) no incoming calls barred : <hr/> 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_7 Group : CUG/ Purpose : To verify that the IUT can successfully establish a CUG call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG and no incoming calls are barred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access allowed; no incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:= '10'B, S_IAM.isup_pdu.FCI.IPI:= '10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_same CUG_noIA)		2.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM (CUG)----- (+OA,-ICB) no incoming calls barred : <hr/> 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_8 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 55 "Incoming calls barred within CUG" in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG and the incoming calls are barred (ICB).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_same CUG_noIA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_55) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (-OA,+ICB) incoming calls barred -----REL(#55)-----> <-----RLC----- <hr/> 1. No call set up should be observed on the access side.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.
3. REL with cause #55 "Incoming calls barred within CUG". The location RLN – 'public network serving the remote user' – can also be checked.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_9 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 55 "Incoming calls barred within CUG" in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG and the incoming calls are barred (ICB).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access allowed; incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='10'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_same CUG_noIA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_55) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (+OA,+ICB) incoming calls barred -----REL(#55)-----> <-----RLC----- 1. No call set up should be observed on the access side.					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

- | |
|---|
| <ul style="list-style-type: none">2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.3. REL with cause #55 "Incoming calls barred within CUG". The location RLN – 'public network serving the remote user' – can also be checked. |
|---|

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_10 Group : CUG/ Purpose : To verify that the IUT can successfully establish a CUG call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to the CUG with Incoming Access (IA) and no incoming calls are barred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access not allowed; incoming access allowed; no incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_same CUG_IA)		2.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <----IAM (CUG)----- (-OA,+IA,-ICB) incoming access allowed, no incoming calls barred : <hr/> 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_11 Group : CUG/ Purpose : To verify that the IUT can successfully establish a CUG call with outgoing access. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to the CUG with Incoming Access (IA) and no incoming calls are barred.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access allowed; incoming access allowed; no incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='10'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_same CUG_IA)		2.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <----IAM (CUG)----- (+OA,+IA,-ICB) incoming access allowed, no incoming calls barred : _____ 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_12 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 55 "Incoming calls barred within CUG" in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to the CUG with Incoming access (IA) and the incoming calls are barred (ICB).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; incoming access allowed; incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_same CUG_IA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_55) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (-OA,+IA,+ICB) incoming access allowed, incoming calls barred -----REL(#55)-----> <-----RLC-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. No call set up should be observed on the access side.
2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.
3. REL with cause #55 "Incoming calls barred within CUG". The location RLN – 'public network serving the remote user' – can also be checked.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_13 Group : CUG/ Purpose : To verify that the IUT can successfully establish a non-CUG call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to the CUG with Incoming access (IA) and the incoming calls are barred (ICB).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access allowed; incoming access allowed; incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='10'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_same CUG_IA)		2.
5		+R_ACM_etc_AB			
Detailed Comments : access SPA SPB <-----IAM (CUG)----- (+OA,+IA,+ICB) incoming access allowed, incoming calls barred : <hr/> 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_14 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 87 "User not member of CUG" in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Called user is not member of CUG.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; non-CUG called user")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic, TSP_Nb_A)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_87) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (-OA) -----REL(#87)-----> <-----RLC----->					
1. No call set up should be observed on the access side. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

3. REL with cause #87 "User not member of CUG". The location RLN – 'public network serving the remote user' – can also be checked.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_15 Group : CUG/ Purpose : To verify that the IUT can successfully establish a non-CUG call Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Called user is not member of CUG.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CUG call, outgoing access allowed; non_CUG called user")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='10'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic, TSP_Nb_A)		2.
5		+R_ACM_etc_AB			
Detailed Comments : access SPA SPB <-----IAM (CUG)----- (+OA) : <hr/> 1. Assist a CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_16 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 87 " User not member of CUG " in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1; Table 1–2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("Non-CUG call; incoming acces not allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN(cic,TSP_Nb_A_sameCUG_noIA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_87) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----IAM----- (non-CUG,-IA) incoming access not allowed -----REL(#87)-----> <-----RLC----- 1. No call set up should be observed on the access side. 2. Send an IAM for a non-CUG call with ISUP preference indicator in the FCI set to 'ISUP required all the way'. 3. REL with cause #87 "User not member of CUG". The location RLN – 'public network serving the remote user' – can also be checked.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_17 Group : CUG/ Purpose : To verify that the IUT can successfully establish a non-CUG call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to CUG with Incoming Access (IA).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("Non-CUG call; incoming access allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN(cic,TSP_Nb_A_sameCUG_IA)		2.
5		+R_ACM_etc_AB			
Detailed Comments : access SPA SPB <-----IAM----- (non_CUG,+IA) incoming access allowed : <hr/> 1. Assist a Non-CUG call set up to the access. 2. Send an IAM for a non_CUG call with ISUP preference indicator in the FCI set to 'ISUP required all the way'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_18 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 87 " User not member of CUG " in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to another CUG than that of calling user.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; called user belongs to other CUG with incoming access not allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_other CUG_noIA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_87) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (-OA,-IA) other CUG, incoming access not allowed -----REL(#87)-----> <-----RLC----- <hr/> 1. No call set up should be observed on the access side.					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

- | |
|---|
| <ul style="list-style-type: none">2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.3. REL with cause #87 "User not member of CUG". The location RLN – 'public network serving the remote user' – can also be checked. |
|---|

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_19 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 87 " User not member of CUG " in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to another CUG than that of calling user.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access allowed; called user belongs to other CUG with incoming access not allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:= '10'B, S_IAM.isup_pdu.FCI.IPI:= '10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_other CUG_noIA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_87) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (+OA,-IA) other CUG, incoming access not allowed -----REL(#87)-----> <-----RLC----- 1. No call set up should be observed on the access side.					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

- | |
|---|
| <ul style="list-style-type: none">2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.3. REL with cause #87 "User not member of CUG". The location RLN – 'public network serving the remote user' – can also be checked. |
|---|

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_20 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 87 "User not member of CUG" in the REL. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to another CUG than that of calling user, and that Incoming Access (IA) is allowed.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; called user belongs to other CUG with incoming access allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_other CUG_IA)		2.
5		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_87) AND (R_REL.isup_pdu.Cause.Loc='0100'B)]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----IAM (CUG)----- (-OA,+IA) other CUG, incoming access allowed -----REL(#87)-----> <-----RLC-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. No call set up should be observed on the access side.
2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'.
3. REL with cause #87 "User not member of CUG". The location RLN – 'public network serving the remote user' – can also be checked.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_7_21 Group : CUG/ Purpose : To verify that the IUT can successfully establish a non-CUG call Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 ; Table 1-2 /Q.735 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to another CUG than that of calling user, and that Incoming Access (IA) is allowed.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0("Non-CUG call, outgoing access allowed; called user belongs to other CUG with incoming access allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='10'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CUGIC(cic,TSP_Nb_A_other CUG_IA)		2.
5		+R_ACM_etc_AB			
Detailed Comments : access SPA SPB <-----IAM (CUG)----- (+OA,+IA) other CUG, incoming access allowed : <hr/> 1. Assist a Non-CUG call set up to the access. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_7_22 Group : CUG/ Purpose : To verify that the IUT rejects the call with cause # 111 "Protocol error, unspecified" in the REL, if a non-CUG call has a CUG interlock code in the IAM. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.2 /Q.735					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("Non-CUG call; incoming acces allowed")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_CUGIC(cic,TSP_Nb_A_sameCUG_I A)		2.
5		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_111]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <---IAM (CUGIC)---> (non-CUG,+IA) incoming access allowed <---REL(#111)---> <-----RLC----->					
<hr/> 1. No call set up should be observed on the access side. 2. Send an IAM for a non-CUG call with ISUP preference indicator in the FCI set to 'ISUP required all the way' and a CUG interlock code. There is no OFCI parameter in the IAM. 3. REL with cause #111 "Protocol error, unspecified".					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_7_23 Group : CUG/ Purpose : To verify that the IUT rejects the CUG call with cause # 111 "Protocol error, unspecified" in the REL, if there is no CUG interlock code in the IAM. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.2 /Q.735					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access allowed; incoming acces allowed; no incoming calls barred")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:= '10'B, S_IAM.isup_pdu.FCI.IPI:= '10'B)	IAM_BA_CdPN_OFCI(cic, TSP_Nb_A_sameCUG_IA)		2.
5		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_111]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUGIC)----- (+OA,+IA,-ICB) incoming access allowed, no incoming calls barred -----REL(#111)-----> <-----RLC----->					
1. No call set up should be observed on the access side. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access allowed'. There is no CUGIC parameter in the IAM. 3. REL with cause #111 "Protocol error, unspecified".					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_7_4 Group : NO_CUG/ Purpose : To verify that the IUT rejects a CUG call if the contents of the CUG call indicator is set to "CUG call, outgoing access not allowed" in optional forward call indicators in IAM and the succeeding national network does not support CUG. The IUT should respond with a REL with cause #29 "Facility rejected" and include the parameter name in the diagnostics field. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.4.2 /Q.735, Table 1-1 /Q.735 PRE-TEST CONDITIONS : A route to a network without CUG capability must be available in the IUT					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_7_4			1.
3		+Wait_T_WAIT			2.
4		+G_Verdict_I_PTC			3.
Detailed Comments : SPC SPA SPB -----IAM-----> (-OA) with outgoing access not allowed <-----REL----- -----RLC----->					
1. Initiate a CUG call set up from SPC specifying a CUG interlock code. The CUG call is with outgoing access not allowed. 2. Wait for some event, nothing should happen. 3. After timer expiry get the verdict.					

Test Case Dynamic Behaviour

Test Case Name : ISS_I_7_5

Group : NO_CUG/

Purpose	: To verify that the IUT proceeds with normal call setup if the contents of the CUG call indicator is received as "CUG call, outgoing access allowed" in optional forward call indicators in IAM and the succeeding national network does not support CUG.
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.5.2.4.2 /Q.735, Table 1–1 /Q.735

PRE-TEST CONDITIONS :

A route to a network without CUG capability must be available in the IUT

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_7_5			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
 -----IAM (CUG)-----> -----IAM----->
 (+OA) with outgoing access allowed
 :

1. Initiate a CUG call set up from SPC specifying a CUG interlock code. The CUG call is with outgoing access allowed.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_8_1					
Group : SUB/					
Purpose : To verify that the IUT can include the called sub-address in the access transport parameter in the IAM.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 8.5.2.1.1 /Q.731					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_ATP_CdPN(TSP _Sub_B)	(P)	1.
2		+SS_8_1 ("Sending the called sub-address in the access transport parameter")			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			
5		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> : <hr/> 1. Set up a call from the access with a called sub-address.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_8_2

Group : SUB/

Purpose : To verify that the contents of the access transport parameter is passed on transparently in the IAM.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 8.5.2.2.1; 8.5.2.3.1; 8.5.2.4.1 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_8_2			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN(TSP_Sub_B)	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB
-----IAM-----> -----IAM----->
:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_8_3 Group : SUB/ Purpose : To verify that a call may be successfully established if the IAM contains the sub-address in the access transport parameter. Note The called sub-address should be passed on to the user network interface. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 8.5.2.5.1 /Q.731 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party subscribes to the SUB supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("Receiving the called sub-address in the access transport parameter")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_ATP_CdPN(cic)		1.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : <hr/> 1. Set up a call to the access with the ATP parameter containing the called sub-address.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_8_4 Group : SUB/ Purpose : To verify that a call may be successfully established if the IAM contains the sub-address in the access transport parameter and the destination address does not subscribe to the SUB supplementary service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 8.5.2.5.2 /Q.731; 2.1.1.6 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called party does not subscribe to the SUB supplementary service, but it is still able to answer the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("Receiving the called sub-address when it is not supported at destination")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_ATP_CdPN(cic)		1.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____ 1. Set up a call to the access with the ATP parameter containing the called sub-address.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_8_5

Group : SUB/

Purpose : To verify that the IUT can successfully establish a call by discarding the sub-address if the succeeding network does not support the sub-address or the supplied length is not supported.

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 8.7 /Q.731
PRE-TEST CONDITION: Arrange the data in the IUT such that the

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_8_5			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_ATP_CdPN(cic)		1.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			

Detailed Comments : NON-ISUP SPA SPB

<-----setup----- <-----IAM-----

:

1. Set up a call to a network which does not support the Sub-addressing supplementary service or which cannot support the sub-address length supplied.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_1

Group : MCID/

Purpose : To verify that the IUT can successfully reply to an IDR having the MCID request indicator set to "MCID request" by sending an IRS with MCID response indicator set to "MCID included" and the calling party number included.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.2.1 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_s_setup_0 ("Successful MCID request")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		2.
4		LAB! S_IDR	IDR_BA(cic)		3.
5		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='1'B]	IRS_AB_CgPN(cic)	(P)	
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

-----setup-----> -----IAM----->
                        <-----IDR-----
                        -----IRS----->

```

:

-
1. Set up a call from the access with or without a calling party number.
 2. IAM may or may not contain calling party number.
 3. IDR may be requested even if the initial IAM contained calling party number.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_2

Group : MCID/

Purpose : To verify that the IUT will accept and reply correctly to an MCID request after ACM has been received. The IUT should reply to an IDR having the MCID request indicator set to "MCID request" by sending an IRS with MCID response indicator set to "MCID included" and the calling party number included. Note: This situation may occur e.g. if the call has been forwarded before reaching the destination.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.2.1 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_s_setup_0 ("Successful MCID request – after ACM")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_IDR	IDR_BA(cic)		
6		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='1'B]	IRS_AB_CgPN(cic)	(P)	2.
7		+S_ANM_etc_BA			
8		+G_Verdict_A_PTC			

Detailed Comments :

```

      access          SPA          SPB
      -----setup-----> -----IAM----->
      <-----alert-----<-----ACM-----
                        ... ringing tone ...
                        <-----IDR-----
                        -----IRS----->

```

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-
1. Set up a call from the access.
 2. IRS containing the number of calling party number .

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_3

Group : MCID/

Purpose : To verify that the IUT can successfully reply to an IDR having the MCID request indicator set to "MCID request" by sending an IRS with MCID response indicator set to "MCID included", the calling party number and a calling sub-address in the access transport parameter.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.2.1 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_2 ("Successful MCID request")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='1'B]	IRS_AB_ATP_CgPN(cic, TSP_Sub_A)	(P)	2.
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

-----setup-----> -----IAM----->
                        <-----IDR-----
                        -----IRS----->

```

:

1. Set up a call from the access with a calling party sub-address.
2. Calling party sub-address in ATP.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_5_a Group : MCID/ Purpose : To verify that a received IDR is transferred transparently to the preceding exchange and the subsequent IRS is transferred transparently to the succeeding exchange. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.3.1 /ETS 300 356-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_9_5_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS	IRS_AB(cic)	(P)	
6		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> -----IAM-----> <-----IDR----- <-----IDR----- -----IRS-----> -----IRS-----> : </pre> <hr/> 1. The PTC will initiate a call set up.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_5_b					
Group : MCID/					
Purpose : To verify that a received IDR is transferred transparently to the preceding exchange and the subsequent IRS is transferred transparently to the succeeding exchange.					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 9.3.1 /ETS 300 356–11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_9_5_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_IDR	IDR_BA(cic)		
6		LAB? R_IRS	IRS_AB(cic)	(P)	
7		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB					
-----IAM-----> -----IAM----->					
<-----ACM----- <-----ACM-----					
<-----IDR----- <-----IDR-----					
-----IRS-----> -----IRS----->					
:					
<hr/>					
1. The PTC will initiate a call set up.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_6

Group : MCID/

Purpose : To verify that a received IDR is transferred transparently into the national network (NOT PICS A.4/1), the subsequent IRS being transferred into the international network so that the country code in the address signals of the calling party number is added and the nature of address indicator is set to "international number".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.4.1 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_9_6			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		2.
5		LAB? R_IRS	IRS_AB_CgPN_AdSg(cic, TSO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	3.
6		+S_ACM_etc_BA			

Detailed Comments : SPC national SPA international SPB

-----IAM-----> -----IAM----->

<-----IDR-----< <-----IDR-----<

-----IRS-----> -----IRS----->

:

1. The PTC will initiate a call set up with the expected parameters.

2. The IDR request is transferred into the national network.

3. The IRS is received from the national network having the calling party number coded as an "international number".

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_8

Group : MCID/

Purpose : To verify that a received IDR is transferred transparently into the international network and the subsequent IRS is transferred into the national network so that the country code in the address signals of the calling party number is removed if it is the network's own country code and the nature of address indicator is set in this case to "national (significant) number".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.5.1 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_9_8			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS	IRS_AB_CgPN_AdSg(cic, TSO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	2.
6		+S_ACM_etc_BA			

Detailed Comments : SPC international SPA national SPB

-----IAM-----> -----IAM----->

<-----IDR-----< <-----IDR-----

-----IRS-----> -----IRS----->

:

1. The PTC will initiate a call set up with the expected parameters.

2. The country code is expected to be stripped off and the number format converted to national (significant) number.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_9_9

Group : MCID/

Purpose : To verify that the international incoming gateway can modify the MCID response indicator set to "MCID not included" into "MCID included" and can include the available information in the calling party number.
Note: The known part of the calling party number is sent with the address incomplete indicator set to "incomplete".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.5.2 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_9_9			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='1'B]	IRS_AB_CgPN_AdSg_ava il(cic)	(P)	
6		+S_ACM_etc_BA			

Detailed Comments : SPC international SPA national SPB

-----IAM-----> -----IAM----->

<-----IDR-----<-----IDR-----

-----IRS-----> -----IRS----->

:

1. The PTC will initiate a call set up with the expected parameters.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_10_a Group : MCID/ Purpose : To verify that the DLE can successfully record the calling party number and optionally the calling sub-address if received in the IAM or in the IRS. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.1 a) /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to MCID service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0("DLE records call details")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CgPN_ATP(cic)		2.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("DLE records call details")			3.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____ 1. Assist setup to the access.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

2. CgPN & sub-address in ATP.
3. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_10_b Group : MCID/ Purpose : To verify that the DLE can successfully record the calling party number and optionally the calling sub-address if received in the IAM or in the IRS. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.1 a) /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to MCID service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("DLE records call details (number information received in IRS)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		2.
5		LAB? R_IDR	IDR_AB(cic)		
6		LAB! S_IRS	IRS_BA(cic)		3.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)		
10		+Check_communication			
11		+Check_MCID_Recordings("DLE records call details (number information received in IRS)")			4.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** access SPA SPB

<-----setup-----<-----IAM-----

-----IDR----->

<-----IRS-----

:

-
1. Assist setup to the access.
 2. No number information in IAM .
 3. Number information in IRS (CgPN and Sub in ATP) .
 4. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_11

Group : MCID/

Purpose : To verify that the DLE can successfully request the calling party number and optionally the calling sub-address by sending an IDR, if there is no calling party number included in the IAM.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.6.1b) /ETS 300 356-11

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the called user has subscribed to MCID service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("DLE requests call details")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_IDR	IDR_AB(cic)	(P)	
6		LAB! S_IRS	IRS_BA(cic)		2.
7		+R_ACM_etc_AB			
8		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

<-----setup----- <-----IAM-----
                      -----IDR----->
                      <-----IRS-----

```

:

1. Set up to the access containing no number information.
2. Number information is provided.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_9_12_a

Group : MCID/

Purpose : To verify that the call setup is continued (user is alerted) if an IRS is received without the expected MCID information within timer T39 expiry, after having sent the IDR with MCID request indicator set to "MCID requested".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.6.2 /ETS 300 356-11

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to MCID service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("No MCID information after MCID request (MCIDRs=0, No CgPN)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_IDR	IDR_AB(cic)	(P)	
6		LAB! S_IRS (S_IRS.isup_pdu.MCIDRs.MCIDRs:='0'B)	IRS_BA_NO_MCID(cic)		2.
7		+R_ACM_etc_AB			
8		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB
 <-----setup----- <-----IAM-----
 -----IDR----->
 <-----IRS-----
 :

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up to the access containing no number information.
2. Number information not provided (MCIDRs=0, No CgPN given).

Test Case Dynamic Behaviour

Test Case Name : ISS_I_9_12_b

Group : MCID/

Purpose : To verify that the call setup is continued (user is alerted) if an IRS is received without the expected MCID information within timer T39 expiry, after having sent the IDR with MCID request indicator set to "MCID requested".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.6.2 /ETS 300 356-11

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the user has subscribed to MCID service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0("No MCID information after MCID request (MCIDRs=1, No CgPN)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_IDR	IDR_AB(cic)	(P)	
6		LAB! S_IRS	IRS_BA_NO_MCID(cic)		2.
7		+R_ACM_etc_AB			
8		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

<-----setup----- <-----IAM-----
                      -----IDR----->
                      <-----IRS-----

```

:

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up to the access containing no number information.
2. Number information not provided (MCIDRs=1, No CgPN given).

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_9_13 Group : MCID/ Purpose : To verify that call setup is continued (user is alerted) if no IRS is received within timer T39 expiry, after having sent the IDR with MCID request indicator set to "MCID requested". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.2 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to MCID service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_9_13("MCID timer (T39) expiry")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_IDR START T39min, START T39max	IDR_AB(cic)		
6		+CheckTimerT39			
		CheckTimerT39			
7		?TIMEOUT T39min			
8		LAB? R_ACM CANCEL T39max	ACM_AB(cic)	(P)	
9		+R_ANM_etc_AB			
10		+G_Verdict_A_PTC			
11		?TIMEOUT T39max		(F)	
12		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+G_Verdict_A_PTC	ACM_AB(cic)	(F)	
14		LAB? R_ACM			
15		+S_REL_etc_BA			
16		+G_Verdict_A_PTC			
<div>Detailed Comments :<div>accessSPASPB</div><div><-----setup-----<-----IAM-----</div><div>-----IDR-----></div><div> </div><div>T39</div><div>-----ACM-----></div><div>:</div><div></div><div>1. Set up to the access containing no number information.</div></div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_14

Group : MCID/

Purpose : To verify that the OLE can successfully reply to an IDR having the MCID request indicator set to "MCID request" by sending an IRS with MCID response indicator set to "MCID included", the calling party number and an additional calling party number in the generic number parameter.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 10 /ETS 300 356-11

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the additional calling party number information is available.

Note: This implies that a special arrangement exists with the calling user.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_s_setup_0 ("Successful MCID request")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS	IRS_AB_GenNb(cic)	(P)	2.
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

-----setup-----> -----IAM----->
                        <-----IDR-----
                        -----IRS----->

```

:

1. Set up a call from the access.

2. CgPN & add. CgPN in GenNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_a Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CgPN_MSN(cic, TSP_Nb_B_MSN)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("MCID interaction with MSN")			2.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist setup to the access.
2. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_b Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with DDI")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CgPN_DDI(cic, TSP_Nb_B_DDI)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("MCID interaction with DDI")			2.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist setup to the access.
2. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_c Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN_MSN(cic, TSP_Nb_B_MSN)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("MCID interaction with MSN")			2.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist setup to the access.
2. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_d Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with DDI")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN_DDI(cic, TSP_Nb_B_DDI)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("MCID interaction with DDI")			2.
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup----- <-----IAM----- : _____					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist setup to the access.
2. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_e Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with DDI")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		2.
5		LAB? R_IDR	IDR_AB(cic)		
6		LAB! S_IRS	IRS_BA_CgPN_DDI(cic, TSP_Nb_B_DDI)		3.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)		
10		+Check_communication			
11		+Check_MCID_Recordings("MCID interaction with DDI")			4.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour			
Detailed Comments :	access	SPA	SPB
	<-----setup-----	<-----IAM-----	
		-----IDR----->	
		<-----IRS-----	
	:		
<hr/>			
1. Assist setup to the access .			
2. No number information in IAM.			
3. Number information in IRS (DDI and MSN).			
4. MCID recordings should be kept while in active phase of call.			

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_15_f Group : MCID/ Purpose : To verify that the calling party number, the called party number with DDI and/or MSN are registered if provided. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.9 ; 11.13 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user has subscribed to the MCID, DDI and/or MSN services					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		2.
5		LAB? R_IDR	IDR_AB(cic)		
6		LAB! S_IRS	IRS_BA_CgPN_MSN(cic, TSP_Nb_B_MSN)		3.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)		
10		+Check_communication			
11		+Check_MCID_Recordings("MCID interaction with MSN")			4.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour		
Detailed Comments :	access	SPA SPB
	<-----setup-----	<-----IAM-----
		-----IDR----->
		<-----IRS-----
	:	
	<hr/>	
	<ol style="list-style-type: none">1. Assist setup to the access .2. No number information in IAM.3. Number information in IRS (DDI and MSN).4. MCID recordings should be kept while in active phase of call.	

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_16 Group : MCID/ Purpose : To verify that besides the calling party number, the original called number and the redirecting number are registered if provided. Note: A call diversion service has been activated for this call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.10 /ETS 300 356-11 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the user has subscribed to MCID					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("MCID interaction with DDI and/or MSN")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_RnInf_OriCdNb_ RgNb(cic,TSP_Nb_B, TSP_Nb_B, national)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Check_MCID_Recordings("MCID interaction with diversion services")			2.
10		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
 <-----setup----- <-----IAM-----
 :

-
1. Assist setup to the access.
 2. MCID recordings should be kept while in active phase of call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_9_17 Group : MCID/ Purpose : To verify that the IUT includes the correct message compatibility information and parameter compatibility information in the IRS. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex A /ETS 300 356-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_s_setup_0 ("Set up the malicious call")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		2.
5		LAB? R_IRS	IRS_AB_CmplInf(cic)	(P)	3.
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <pre> -----setup-----> -----IAM-----> <-----IDR----- -----IRS-----> </pre> : <hr/> 1. Set up a call from the access. 2. Identification is requested. 3. Check message (IRS) and parameter (MCIDRs) compatibility information.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_9_18

Group : MCID/

Purpose : To verify that the IUT includes the correct message compatibility information and parameter compatibility information in the IDR.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: Annex A /ETS 300 356-11

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the called user has subscribed to the MCID service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("Called user activates MCID")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_IDR	IDR_AB_CmplInf(cic)	(P)	2.
6		LAB! S_IRS	IRS_BA(cic)		3.
7		+R_ACM_etc_AB			
8		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB

```

<-----setup----- <-----IAM-----
                        -----IDR----->
                        <-----IRS-----
:

```

-
1. Set up to the access with no calling party number information.
 2. Check message (IDR) and parameter (MCIDRq) compatibility information.
 3. Number information is provided.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_9_4 Group : NO_MCID/ Purpose : To verify that the IUT rejects a MCID request by sending a IRS with the MCID response indicator set to "MCID not included". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.2 /ETS 300 356-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_s_setup_0 ("MCID request – MCID not supported by the OLE")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='0'B]	IRS_AB_NO_MCID(cic)	(P)	
6		+S_ACM_etc_BA			
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <pre> -----setup-----> -----IAM-----> <-----IDR----- -----IRS-----> </pre> : <hr/> 1. Set up a call from the access.					

Test Case Dynamic Behaviour

Test Case Name : ISS_I_9_7

Group : NO_MCID/

Purpose : To verify that the outgoing international exchange rejects a MCID request by sending an IRS with the MCID response indicator set to "MCID not included".

Note: This test case checks the behaviour of the IUT if the national network does not support MCID.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.4.2 /ETS 300 356-11

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_initiate_setup			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_IDR	IDR_BA(cic)		
5		LAB? R_IRS [R_IRS.isup_pdu.MCIDRs.MCIDRs='0'B]	IRS_AB_NO_MCID(cic)	(P)	
6		+S_ACM_etc_BA			

Detailed Comments : SPC national SPA international SPB

```

-----IAM-----> -----IAM----->
                        <-----IDR-----
                        -----IRS----->

```

:

1. PTC provides stimulus for normal call setup (calling party number not included).

Note : The MCID request is in this case assumed to stop at gateway and not have any impact on the signalling in the national network.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_1 Group : CONF/ Purpose : To verify that the IUT is able to initiate echo control procedures for the necessary legs when a new call is added to the conference. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.1 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_10_1			
3		LAB? R_IAM [R_IAM.isup_pdu.NatCon.ECDI='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.ECDI:='1'B)	ACM_BA(cic)		
5		+S_ANM_etc_BA			
6		+G_Verdict_A_PTC			
Detailed Comments : For further study, ISUP version 3					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_2 Group : CONF/ Purpose : To verify that the IUT can successfully begin the conference from an active call and notify the implied parties correctly. Note: The generic notification indicator set to "conference established" should be sent by the IUT in the CPG message. The event indicator should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)	(P)	2.
9		LAB? R_REL	REL_AB(cic)		3.
10		LAB! S_RLC	RLC_BA(cic)		
11		?DONE (A_PTC)			
12		CREATE (A_PTC:A_assist_end, I_PTC: I_end)			
13		?DONE (A_PTC, I_PTC)		R	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour			
Detailed Comments : SPC	SPA	SPA	SPB
-----IAM----->	-setup(CR2)>		
<-----ACM-----	<-alerting--		
<-----ANM-----	<-connect--		
<---CPG(hold)---	<----info---		
		-setup(CR1)>	-----IAM----->
		<-alerting--	<-----ACM-----
		<-connect--	<-----ANM-----
		... check communication ...	
		-fac(begC)->	--CPG(conf est)->
<-----REL-----	<--disc---	----disc-->	-----REL----->
-----RLC----->			<---RLC-----
<hr/> 1. Assist a call set up to UNI at SPB. 2. Begin the conference and check that notification 'conference established' is received in the CPG. 3. Release the call at the end terminal and check that all network resources are released.			

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_3_a Group : CONF/ Purpose : To verify that the IUT is able to add a conferee to a conference and notify the implied parties correctly. Note: The generic notification indicator set to "conference established" should be sent by the IUT to the new affected conferee and the generic notification indicator set to "other party added" to the non-affected conferees. The event indicator in CPG messages should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup_1_10_3_a,I_PTC:I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		+Check_conf_communication_BA(cic)			
10		?DONE (A_PTC)			
11		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)	(P)	3.
13		?DONE (A_PTC, I_PTC)			
14		CREATE (A_PTC:A_assist_end, I_PTC: I_end)			
15		?DONE (A_PTC, I_PTC)			
16		CREATE (A_PTC:A_initiate_end)			
17		LAB? R_REL	REL_AB(cic)		4.
18		LAB! S_RLC	RLC_BA(cic)	(P)	
19		?DONE (A_PTC)		R	
Detailed Comments : SPC SPA SPA SPB <pre> -----IAM-----> -setup(CR2)> <-----ACM----- <-alerting-- <-----ANM----- <-connect-- <--CPG(hold)---- <----info---- -setup(CR1)> -----IAM-----> <-alerting-- <-----ACM----- <-connect-- <-----ANM----- ... check communication ... -fac(begC)-> --CPG(conf est)-> <-CPG(conf est)-- <-fac(addC)- -CPG(oth pty add)> ----disc----> <-----REL----- -----disc--> -----REL-----> -----RLC-----> <----RLC----- </pre> <hr/> 1. Assist a call set up to UNI at SPB. 2. Establish a conference from SPA to SPB.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. Add a new conferee to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
4. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_3_b Group : CONF/ Purpose : To verify that the IUT is able to add a conferee to a conference and notify the implied parties correctly. Note: The generic notification indicator set to "conference established" should be sent by the IUT to the new affected conferee and the generic notification indicator set to "other party added" to the non-affected conferees. The event indicator in CPG messages should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_end)			
12		LAB? R_REL	REL_AB(cic)		4.
13		LAB! S_RLC	RLC_BA(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		?DONE (A_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)		R	
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)	(P)	3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		CREATE (A_PTC:A_assist_end, I_PTC: I_end)			
26		?DONE (A_PTC, I_PTC)		(P)	
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)--- <----info--- -setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM----- ... check communication ...					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour**Detailed Comments : ...**

```

                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

---IAM(cic2)---> -setup(CR3)>
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                   ---disc--->
<CPG(oth pty add)- (cic1)

<--REL(cic1)----          -----disc--> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_4 Group : CONF/ Purpose : To verify that the IUT is able to join the maximum allowed number of conferees in a conference and notify the implied parties correctly. Note: The generic notification indicator set to "conference established" should be sent by the IUT to the new affected conferee and the generic notification indicator set to "other party added" to the non-affected conferees. The event indicator in the CPG messages should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		(TCV_count0:=1)			
11		REPEAT Add_conferee UNTIL [TCV_count0=TSP_max_participant]			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		(TCV_count0:=1)			
13		REPEAT Remove_conferee UNTIL [TCV_count0=			
14		TSP_max_participant]			
15		CREATE (A_PTC:A_initiate_end)			
16		LAB? R_REL	REL_AB(cic)		4.
17		LAB! S_RLC	RLC_BA(cic)	(P)	
18		?DONE (A_PTC)		R	
19		Add_conferee			
20		CREATE (A_PTC:A_assist_new_conf,I_PTC:I_10_4_1)			
21		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND	CPG_AB_GenNot(cic)		3.
22		(R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]			
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		(TCV_count0:=TCV_count0+1)			
		Remove_conferee			
		CREATE (I_PTC:I_10_4_2)			
		?DONE (I_PTC)		(P)	
		(TCV_count0:=TCV_count0+1)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)--- <----info--- -setup(CR1)> -----IAM----->					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                <-alerting-- <----ACM-----
                                <-connect-- <----ANM-----
                                ... check communication ...
                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
-----At this point there are 3 conferees in conference.-----
REPEAT for each new conferee
---IAM(cicx)----> ---setup--> x=2,3..n; n=maximum number of conferees-2
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                   ----disc---->
<CPG(oth pty add)- (cicz) z=1,2...n-1
Release conference:
<--REL(cicy)---- y=1,2...n-1 ----disc--> -----REL----->
-----RLC----->          <----RLC-----

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_5 Group : CONF/ Purpose : To verify that the IUT can successfully isolate a conferee from the conference and notify the implied parties correctly. Note: The generic notification indicator set to "isolated" should be sent by the IUT to the affected conferee and the generic notification indicator set to "other party isolated" should be sent to the non-affected conferees. The event indicator in the CPG messages should be set to "progress". The isolated conferee should not be able to communicate with the rest of the conference. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.3 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_end)			
12		LAB? R_REL	REL_AB(cic)		6.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_RLC	RLC_BA(cic)	(P)	
14		?DONE (A_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)		R	
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		CREATE (A_PTC:A_initiate_isolate, I_PTC: I_10_5_6)			
26		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=isolated)]	CPG_AB_GenNot_anyCIC	(P)	4.
27		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=reattached)]	CPG_AB_GenNot_anyCIC		5.
28		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<----ACM----- <-alerting--
<----ANM----- <-connect--
<--CPG(hold)---- <----info----

                                -setup(CR1)> -----IAM----->
                                <-alerting-- <----ACM-----
                                <-connect-- <----ANM-----
                                ... check communication ...
                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

----IAM(cic2)----> -setup(CR3)>
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                                ----disc---->
<CPG(oth pty add)- (cic1)
<CPG(oth pty iso)- (cic1)          -fac(isoC)-> --CPG(isolated)->
<CPG(oth pty iso)- (cic2)
<CPG(oth pty rea)- (cic1)          -fac(reaC)-> --CPG(reattach)->
<CPG(oth pty rea)- (cic2)

<--REL(cic1)----          -----disc--> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

'other_party_added' in the CPG.

4. Isolate a conferee and check that the notification 'isolated' is received in the CPG.

5. Reattach the conferee.

6. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_6 Group : CONF/ Purpose : To verify that the IUT can successfully reattach the isolated conferee to the conference and notify the implied parties correctly. Note: The generic notification indicator set to "reattached" should be sent by the IUT to the affected conferee and the generic notification indicator set to "other party reattached" should be sent to non-affected conferees. The event indicator in the CPG should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.4 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_end)			
12		LAB? R_REL	REL_AB(cic)		6.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_RLC	RLC_BA(cic)	(P)	
14		?DONE (A_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)		R	
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		CREATE (A_PTC:A_initiate_isolate, I_PTC: I_10_5_6)			
26		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=isolated)]	CPG_AB_GenNot_anyCIC		4.
27		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=reattached)]	CPG_AB_GenNot_anyCIC	(P)	5.
28		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<----ACM----- <-alerting--
<----ANM----- <-connect--
<--CPG(hold)---- <----info----

                                -setup(CR1)> -----IAM----->
                                <-alerting-- <----ACM-----
                                <-connect-- <----ANM-----
                                ... check communication ...
                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

----IAM(cic2)----> -setup(CR3)>
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                                ----disc---->
<CPG(oth pty add)- (cic1)
<CPG(oth pty iso)- (cic1)          -fac(isoC)-> --CPG(isolated)->
<CPG(oth pty iso)- (cic2)
<CPG(oth pty rea)- (cic1)          -fac(reaC)-> --CPG(reattach)->
<CPG(oth pty rea)- (cic2)

<--REL(cic1)----          -----disc--> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

'other_party_added' in the CPG.

4. Isolate a conferee and check that the notification 'isolated' is received in the CPG.

5. Reattach the conferee.

6. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_7 Group : CONF/ Purpose : To verify that the IUT can create a private communication between the served user and one of the conferees and notify the implied parties correctly. Note: The generic notification indicator set to "conference disconnected" should be sent by the IUT to the affected conferee and the generic notification indicator set to "other party split" should be sent to the non-affected conferees. The event indicator in the CPG should be set to "progress". The non-affected conferees should not be able to participate in the communication of the private communication. See also figure 1-5/Q.734. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.5 /Q.734, figure 1-5/Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_assist_end, I_PTC: I_end_second)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		?DONE (A_PTC, I_PTC)			
13		CREATE (A_PTC:A_initiate_end)			
14		LAB? R_REL	REL_AB(cic)		6.
15		LAB! S_RLC	RLC_BA(cic)	(P)	
16		?DONE (A_PTC)			R
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		CREATE (A_PTC:A_initiate_setup_2_10_7, I_PTC: I_10_7)			
26		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AB_GenNot_anyCIC	(P)	4.
27		+Check_communication			5.
28		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ----IAM(cic1)----> -setup(CR2)>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<----ACM----- <-alerting--
<----ANM----- <-connect--
<--CPG(hold)---- <----info----

                                -setup(CR1)> -----IAM----->
                                <-alerting-- <----ACM-----
                                <-connect-- <----ANM-----
                                ... check communication ...
                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

----IAM(cic2)----> -setup(CR2)>
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                                ----disc---->
<CPG(oth pty add)- (cic1)
                                -setup(CR2)>
                                <-connect--
<CPG(oth pty split)- (cic1)          --CPG(conf disc)->
<CPG(oth pty split)- (cic2)

<--REL(cic1)---- <-disc(CR1)- -disc(CR2)-> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

'other_party_added' in the CPG.

4. Split the conferee at SPB and check that the notification 'conference disconnected' is received in the CPG.

5. The private communication between subscriber at SPA and subscriber at SPB is checked.

6. The conference is released by call clearing by the served user at SPA (CR1) and the private communication by normal call clearing (CR2).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_8 Group : CONF/ Purpose : To verify that IUT can successfully disconnect a conferee from the conference, if requested by the served user, and notify the implied parties correctly. Note: The IUT should release the leg towards the conferee according to normal call release procedures, i.e. send a REL to a conferee connected to the conference. The generic notification indicator set to "other party disconnected" should be sent to the non-affected conferees. The event indicator in the CPG should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.6 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_drop, I_PTC: I_10_8_9)			
12		LAB? R_REL	REL_AB(cic)	(P)	4.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_RLC	RLC_BA(cic)	R	
14		?DONE (A_PTC, I_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)			
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ----IAM(cic1)----> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)--- <----info--- -setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM----- ... check communication ...					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour**Detailed Comments : ...**

```

                                -fac(begC)->  --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

---IAM(cic2)--->  -setup(CR3)>
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                   ---disc--->
<CPG(oth pty add)- (cic1)
<CPG(oth pty disc)- (cic1)      -fac(dropC)->  -----REL----->
<CPG(oth pty disc)- (cic2)          <----RLC-----

<--REL(cic1)----          -----disc-->
-----RLC----->
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. Release the dropped party at SPB.
 5. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_9 Group : CONF/ Purpose : To verify that IUT can successfully disconnect a conferee from the conference, if requested by the conferee, and notify the implied parties correctly. Note: The IUT should release the leg towards the conferee according to normal call release procedures, i.e. send a RLC in response to the REL to a conferee connected to the conference through ISUP. The generic notification indicator set to "other party disconnected" should be sent to the non-affected conferees. The event indicator in the CPG should be set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.7 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_pty_disc, I_PTC: I_10_8_9)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB! S_REL	REL_BA(cic)	(P) R	4.
13		LAB? R_RLC	RLC_AB(cic)		
14		?DONE (A_PTC, I_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)			
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			3.
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC:I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		
23		+Check_conf_communication_BA(cic)			3.
24		?DONE (A_PTC, I_PTC)			
<div>Detailed Comments : SPC SPA SPA SPB</div> <div><div>----IAM(cic1)----> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)---- <----info----</div><div>-setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM-----</div></div>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

... check communication ...
-fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

----IAM(cic2)----> -setup(CR3)>
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                  ----disc---->
<CPG(oth pty add)- (cic1)
<CPG(oth pty disc)- (cic1)      <fac(pty disc)- <-----REL-----
<CPG(oth pty disc)- (cic2)          -----RLC----->

<--REL(cic1)----          -----disc-->
-----RLC----->
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. Release request by the conferee at SPB.
 5. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_10 Group : CONF/ Purpose : To verify that IUT can successfully disconnect all conferees from the conference, if requested by the served user, and initiate the normal call release procedure towards each conferee. Note: The IUT should send REL to all conferees connected to the conference. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1.8 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_end)			
12		LAB? R_REL	REL_AB(cic)		4.
13		LAB! S_RLC	RLC_BA(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		?DONE (A_PTC)		R	3.
15		CREATE (I_PTC:I_end_second)			
16		?DONE (I_PTC)			
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB					
<pre> ---IAM(cic1)----> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)---- <----info---- -setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM----- ... check communication ... -fac(begC)-> --CPG(conf est)-> </pre>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

----IAM(cic2)----> -setup(CR3)>
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                    ----disc---->
<CPG(oth pty add)- (cic1)
<--REL(cic1)----          -fac(endC)-> -----REL----->
-----RLC----->          <--disc----- <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. Release the dropped party at SPB.
 5. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_10_11 Group : CONF/ Purpose : To verify that if the procedure of adding conferees fails the concerned call remains in the previous state and notifications never be sent to the affected nor to the non-affected remote parties. Note: The procedure of adding fails, e.g. because the maximum conference participants is exceeded. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the user has subscribed to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		(TCV_count0:=1)			
11		REPEAT Add_conferee UNTIL [TCV_count0= TSP_max_participant]			
12		(TCV_count0:=1)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		CREATE			
14		(A_PTC:A_assist_try_new_conf,I_PTC:I_10_11)			
15		REPEAT Remove_conferee UNTIL [TCV_count0=			
16		TSP_max_participant]			
17		CREATE (A_PTC:A_initiate_end)			
18		LAB? R_REL	REL_AB(cic)	(P)	4.
19		LAB! S_RLC	RLC_BA(cic)		
20		?DONE (A_PTC)		R	
21		Add_conferee			
22		CREATE (A_PTC:A_assist_new_conf,I_PTC:I_10_4_1)			
23		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND	CPG_AB_GenNot(cic)		3.
24		(R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]			
25		+Check_conf_communication_BA(cic)			
26		?DONE (A_PTC, I_PTC)			
27		(TCV_count0:=TCV_count0+1)			
28		Remove_conferee			
29		CREATE (I_PTC:I_10_4_2)			
30		?DONE (I_PTC)		(P)	
31		(TCV_count0:=TCV_count0+1)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)> <-----ACM----- <-alerting-- <-----ANM----- <-connect-- <--CPG(hold)--- <----info---					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour**Detailed Comments : ...**

```

--setup(CR1)> -----IAM----->
<-alerting-- <-----ACM-----
<-connect-- <-----ANM-----
... check communication ...
-fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
-----At this point there are 3 conferees in conference.-----
REPEAT for each new conferee:
---IAM(cicx)----> ---setup---> x=2,3..n; n=maximum number of conferees-2
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                   ----disc---->
<CPG(oth pty add)- (cicz) z=1,2...n-1
Try to add another conferee (maximum number of conferees exceeded):

---IAM(cicx)----> ---setup---> x=n+1
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
                   <-fac(addC)-
-----REL-----> ----disc---->
<-----RLC-----
Release conference:
<--REL(cicy)--- y=1,2...n-1 ----disc--> -----REL----->
-----RLC----->          <----RLC-----

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

'other_party_added' in the CPG.

4. The conference is released by call clearing by the served user at SPA.

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_10_12 Group : CONF/ Purpose : To verify that if the procedures to isolate a party, reattach a party, split a party, disconnect a party, terminate conference fail, then the concerned call remains in the previous state and notifications are not sent to the affected nor to the non-affected remote parties. Note: The procedure of reattachement fails, e.g. because the party has not been formerly isolated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.2 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has subscribed to CONF supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_reattach)			
12		?DONE (A_PTC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		CREATE (I_PTC:I_end_second,A_PTC:A_assist_wait_disc)			
14		LAB? R_REL	REL_AB(cic)		4.
15		LAB! S_RLC	RLC_BA(cic)	(P)	
16		?DONE (A_PTC, I_PTC)		R	
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)--- <----info--- -setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM-----					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

... check communication ...
-fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

---IAM(cic2)---> -setup(CR3)>
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                  ----disc---->
<CPG(oth pty add)- (cic1)
Try to reattach a party who hasn't been isolated:
                  -fac(reattach)->

<--REL(cic1)----          ----disc--> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. The conference is released by call clearing by the served user at SPA.
 5. No CPG message with 'reattached' should be received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_13_a Group : CONF/ Purpose : To verify that the IUT can successfully transfer/deliver the required notifications in/from the CPG message. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.2.1, 1.5.2.3.1, 1.5.2.4.1 /Q.734					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_10_13_a			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		+Check_communication			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)	(P)	2.
8		+Continue			
		Continue			
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)	(P)	3.
10		+Check_conf_communication_BA(cic)			
11		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=isolated)]	CPG_AB_GenNot(cic)	(P)	4.
12		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=reattached)]	CPG_AB_GenNot(cic)	(P)	5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_CPG [(R_CPG.isup_pdu.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_disc)]	CPG_AB_GenNot(cic)	(P)	6.
14		+Check_conf_communication_BA(cic)			
15		LAB! S_REL	REL_BA(cic)		7.
16		LAB? R_RLC	RLC_AB(cic)		
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- check communication -----CPG-----> -----CPG-----> -----CPG-----> -----CPG-----> ... check conference communication ... -----CPG-----> -----CPG-----> -----CPG-----> -----CPG-----> -----CPG-----> -----CPG-----> ... check conference communication ... <-----REL----- <-----REL----- -----RLC-----> -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Assist a call set up from SPC to SPB. 2. Check that the notification 'conference established' is received in the CPG from conferee at SPC. 3. Check the notification 'other party added' in the CPG. 4. Check the notification 'isolated' in the CPG. 5. Check the notification 'reattached' in the CPG. 6. Check the notification 'other party disconnected' in the CPG. 7. Release the conference 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_13_b Group : CONF/ Purpose : To verify that the IUT can successfully transfer/deliver the required notifications in/from the CPG message. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.2.1, 1.5.2.3.1, 1.5.2.4.1 /Q.734					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_10_13_b			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		1.
5		LAB? R_ACM	ACM_AB(cic)		
6		LAB? R_ANM	ANM_AB(cic)		
7		+Check_communication			
8		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_BA_GenNot(cic)		2.
9		+Continue			
		Continue			
10		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=other_party_add)	CPG_BA_GenNot(cic)		3.
11		+Check_conf_communication_BA(cic)			
12		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=isolated)	CPG_BA_GenNot(cic)		4.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=reattached)	CPG_BA_GenNot(cic)		5.
14		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=other_party_disc)	CPG_BA_GenNot(cic)		6.
15		+Check_conf_communication_BA(cic)			
16		+G_Verdict_A_PTC			
17		LAB! S_REL	REL_BA(cic)		7.
18		LAB? R_RLC	RLC_AB(cic)		
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup----- <-----IAM----- -----alerting-----> -----ACM-----> ... ringing tone ... -----connect-----> -----ANM-----> check communication <-----notify----- <-----CPG----- <-----notify----- <-----CPG----- ... check conference communication ... <-----notify----- <-----CPG----- <-----notify----- <-----CPG----- <-----notify----- <-----CPG----- ... check conference communication ... <-----disc----- <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Assist a call set up from SPC to SPB. 2. Send the notification 'conference established' is received in the CPG from conferee at SPC. 3. Send the notification 'other party added' in the CPG.</p>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

4. Send the notification 'isolated' in the CPG.
5. Send the notification 'reattached' in the CPG.
6. Send the notification 'other party disconnected' in the CPG.
7. Release the conference

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_14 Group : CONF/ Purpose : To verify that no retrieve notification is sent to a user put on hold and subsequently added to a conference call, but that the IUT sends the "conference established" notification to the held user. The IUT should send the call progress message with the generic notification indicator set to "conference established" to the held user. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.6.15 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has subscribed to CONF and Call Hold supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
11		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+Check_conf_communication_BA(cic)			
13		?DONE (A_PTC, I_PTC)			
14		CREATE (A_PTC:A_assist_end, I_PTC: I_end)			
15		?DONE (A_PTC, I_PTC)			
16		CREATE (A_PTC:A_initiate_end)			
17		LAB? R_REL	REL_AB(cic)		4.
18		LAB! S_RLC	RLC_BA(cic)		
19		?DONE (A_PTC)		R	
Detailed Comments : SPC SPA SPA SPB <pre> -----IAM-----> -setup(CR2)> <-----ACM----- <-alerting-- <-----ANM----- <-connect-- <--CPG(hold)---- <----info---- -setup(CR1)> -----IAM-----> <-alerting-- <-----ACM----- <-connect-- <-----ANM----- ... check communication ... -fac(begC)-> --CPG(conf est)-> -CPG(oth pty add)> <-CPG(conf est)-- <-fac(addC)- no 'retrieve' ! ----disc----> <-----REL----- -----disc--> -----REL-----> -----RLC-----> <----RLC----- </pre> <hr/> 1. Assist a call set up to UNI at SPB. 2. Establish a conference from SPA to SPB. 3. Add a new conferee to the established conference and notify subscriber at SPB by sending him/her					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

'other_party_added' in the CPG.

4. The conference is released by call clearing by the served user at SPA.

5. Check if 'conference established notification' was received by user at SPC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_15 Group : CONF/ Purpose : To verify that no hold and retrieve notifications are sent to the conferees when the conference controller puts the conference on hold. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.6.15 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has subscribed to CONF and Call Hold supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_hold_retrieve)			
12		?DONE (A_PTC)			
13		CREATE (A_PTC:A_initiate_end)			
14		LAB? R_REL	REL_AB(cic)		5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		LAB! S_RLC	RLC_BA(cic)		
16		?DONE (A_PTC)			
17		CREATE (I_PTC:I_end_second)			
18		+G_Verdict_I_PTC			6.
		Add_conferee			
19		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
20		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
21		+Check_conf_communication_BA(cic)			
22		?DONE (A_PTC, I_PTC)			
23		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
24		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
25		+Check_conf_communication_BA(cic)			
26		?DONE (A_PTC, I_PTC)			
Detailed Comments : SPC SPA SPA SPB ----IAM(cic1)----> -setup(CR2)> <----ACM----- <-alerting-- <----ANM----- <-connect-- <--CPG(hold)--- <----info--- -setup(CR1)> -----IAM-----> <-alerting-- <----ACM----- <-connect-- <----ANM----- ... check communication ...					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                -fac(begC)->  --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

---IAM(cic2)--->  -setup(CR3)>
<-----ACM----- <-alerting--
<-----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                   ---disc--->
<CPG(oth pty add)- (cic1)
                                -info(hold)->
                                -info(retr)->
                                No CPGs should be sent in the network

<--REL(cic1)----          -----disc-->  -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. No CPGs should be received by the conferee at SPB.
 5. The conference is released by call clearing by the served user at SPA.
 6. No CPGs should be received by the conferees at SPC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_10_16 Group : CONF/ Purpose : To verify that when the IUT receives notification from a conferee that a call has been put on hold and subsequently retrieved, the IUT passes on this notification to the served user, but does not send any information to the other non-affected conferees. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.6.15 /Q.734 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the conference controller has subscribed to CONF and Hold on supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		CREATE (A_PTC:A_assist_setup, I_PTC: I_setup)			
3		?DONE (A_PTC, I_PTC)			
4		CREATE (A_PTC:A_initiate)			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
9		?DONE (A_PTC)			
10		+Add_conferee			
11		CREATE (A_PTC:A_initiate_end)			
12		LAB? R_REL	REL_AB(cic)		7.
13		LAB! S_RLC	RLC_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		?DONE (A_PTC)			
15		CREATE (I_PTC:I_end_second)			
16		+G_Verdict_I_PTC			8.
		Add_conferee			
17		CREATE (A_PTC:A_assist_facility,I_PTC:I_10_3_a)			
18		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
19		+Check_conf_communication_BA(cic)			
20		?DONE (A_PTC, I_PTC)			
21		CREATE (A_PTC:A_assist_setup_second, I_PTC: I_setup_second)			
22		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot(cic)		3.
23		+Check_conf_communication_BA(cic)			
24		?DONE (A_PTC, I_PTC)			
25		CREATE (A_PTC:A_initiate_wait_hold_retrieve)			
26		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		4.
27		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_BA_GenNot(cic)		5.
28		?DONE (A_PTC)			
Detailed Comments : SPC SPA SPA SPB ---IAM(cic1)---> -setup(CR2)> <-----ACM----- <-alerting--					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<----ANM----- <-connect--
<--CPG(hold)---- <----info----
                                -setup(CR1)> -----IAM----->
                                <-alerting-- <----ACM-----
                                <-connect-- <----ANM-----
                                ... check communication ...
                                -fac(begC)-> --CPG(conf est)->
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>

---IAM(cic2)----> -setup(CR3)>
<----ACM----- <-alerting--
<----ANM----- <-connect--
<-CPG(conf est)-- <-fac(addC)-          -CPG(oth pty add)>
                                ----disc---->
<CPG(oth pty add)- (cic1)
                                <-info(hold)- <--CPG(hold)----
                                <-info(retr)- <-CPG(retrieve)--
                                No CPGs should be sent in the network

<--REL(cic1)----          -----disc--> -----REL----->
-----RLC----->          <----RLC-----
<--REL(cic2)----
-----RLC----->

```

-
1. Assist a call set up to UNI at SPB.
 2. Establish a conference from SPA to SPB.
 3. Add two new conferees to the established conference and notify subscriber at SPB by sending him/her 'other_party_added' in the CPG.
 4. Call hold is activated by the conferee at SPB, 'remote hold' is sent in the CPG (no notification to the non-affected

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

party, e.g. the served user at SPA).

5. Call is retrieved by user at SPB, 'remote retrieval' is sent in the CPG (no notification to the non-affected users at SPC).

6. No CPGs should be received by the conferee at SPB.

7. The conference is released by call clearing by the served user at SPA.

8. No CPGs should be received by the conferees at SPC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_1_a Group : ECT/ Purpose : To verify that the IUT is able to store the additional calling party number in the generic number when the calling party number and the generic number have been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD, CW and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_1_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSP_GenNb_C, national)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----
<-----FAC-----  -----FAC-----> remote addCgPN in CTNb
:
```

-
1. Assist call set up for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_GenNb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_1_b Group : ECT/ Purpose : To verify that the IUT is able to store the additional calling party number in the generic number when the calling party number and the generic number have been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD, CW and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert			1.
3		+SS_11_1_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_CTNb(cic,TSP_GenNb_C, national)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC-----  -----CPG-----> remote addCgPN in CTNb
<-----FAC-----  <-----ANM-----
:
```

-
1. Assist call set up for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. CPG (progress) with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_GenNb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_2_a Group : ECT/ Purpose : To verify that the IUT is able to store the calling party number when only this CLI has been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD, CW and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_2_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSP_Nb_C, national)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----
<-----FAC-----  -----FAC-----> remote CgPN in CTNb
:
```

-
1. Assist call set up for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_Nb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_2_b Group : ECT/ Purpose : To verify that the IUT is able to store the calling party number when only this CLI has been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD, CW and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert			1.
3		+SS_11_2_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_CTNb(cic,TSP_Nb_C, national)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC-----  -----CPG-----> remote CgPN in CTNb
<-----FAC-----  <-----ANM-----
:
```

-
1. Assist call set up for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. CPG (progress) with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_Nb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_3_a Group : ECT/ Purpose : To verify that the IUT is able to store the additional connected number in the generic number when the connected number and the generic number have been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_3_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSP_GenNb_C, national)	(P)	4.
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM----- -----ACM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----CPG----- hold 1st call
-----IAM----->
<-----ACM-----
<-----ANM-----
<-----FAC----- -----FAC-----> remote addConNb in CTNb from UNI at SPC
:

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. FAC with GenNot:' call transfer, active', ServAct: 'call transfer' and CTNb – TSP_GenNb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_3_b Group : ECT/ Purpose : To verify that the IUT is able to store the additional connected number in the generic number when the connected number and the generic number have been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_3_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_CTNb(cic,TSP_Nb_C, national)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM----- -----ACM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC----- -----CPG-----> remote addConNb in CTNb from UNI at SPC
<-----FAC----- <-----ANM-----
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_GenNb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_4_a Group : ECT/ Purpose : To verify that the IUT is able to store connected number when only this COL has been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_4_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSP_Nb_C, national)	(P)	4.
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM----- -----ACM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
              -----IAM----->
              <-----ACM-----
              <-----ANM-----
<-----FAC----- -----FAC-----> remote ConNb in CTNb from UNI at SPC
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_Nb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_4_b Group : ECT/ Purpose : To verify that the IUT is able to store connected number when only this COL has been received from the remote user. This information is sent by the IUT to the other remote user in the call transfer number in either the FAC or CPG when the call transfer is activated. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.1b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_4_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_CTNb(cic,TSP_Nb_C, national)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM----- -----ACM-----> -----ANM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC----- -----CPG-----> remote ConNb in CTNb from UNI at SPC
<-----FAC----- <-----ANM-----
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb – TSP_Nb_C.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_5 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT can successfully initiate the loop prevention procedure by sending LOP with loop prevention indicator set to "request" and with call transfer reference for both calls. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_5			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)	(P)	
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		4.
10		LAB? R_FAC	FAC_AB(cic)		5.
11		+S_REL_etc_BA			
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	
	<-----FAC-----	-----FAC----->	
	:		

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with 'no loop exists' indication.
 5. FAC activating the ECT service.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_6 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT can successfully perform a call transfer if a LOP with loop prevention indicator set to "response" and "no loop exists" is received and the call identity matches the one used by the IUT. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_6			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		4.
10		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB(cic)	(P)	5.
11		+S_REL_etc_BA			
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	
	<-----FAC-----	-----FAC----->	
	:		

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with 'no loop exists' indication.
 5. FAC activating the ECT service (GenNot:' call transfer, active').

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_11_7 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT disregards the LOP with loop prevention indicator set to "response" and "no loop exists", if the call transfer identity does not match the one used by the IUT. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_7			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		4.
10		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		5.
11		LAB? R_FAC	FAC_AB(cic)	(P)	6.
12		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <p>1st call 2nd call</p> <pre> <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- hold 1st call -----IAM-----> <-----ACM----- <-----ANM----- <-----LOP----- <-----LOP-----> <-----LOP----- (to be disregarded) -----LOP-----> <-----LOP----- <-----FAC----- <-----FAC-----> : </pre> <hr/> <ol style="list-style-type: none"> 1. Initiate 2 calls from the UNI A (IUT). 2. Assist 1st call set up on the left side (SPC). 3. Assist 2nd call set up on the right side (SPB). 4. Send back an altered (incremented) CTRef with 'no loop exists' indication, to be disregarded. 5. Send back the received CTRef with 'no loop exists' indication. 6. FAC activating the ECT service. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_I_11_8 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT rejects the call transfer if the LOP is received with loop prevention indicator set to "request" and the call transfer reference matches the one used by the IUT. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_8			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'0'B,'00'B)		4.
10		LAB? R_REL	REL_AB(cic)	(P)	5.
11		LAB! S_RLC	RLC_BA(cic)		
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	(received messages are returned)
	<-----REL-----	-----REL----->	
	-----RLC----->	<-----RLC-----	

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with LOPlc 'request' (identical to the one received).
 5. Call is rejected.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_9 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT rejects the call transfer if the LOP is received with loop prevention indicator set to "response" and "simultaneous transfer" in case of interaction with ECT. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1; 11.4.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_9			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'10'B)		4.
10		LAB? R_REL	REL_AB(cic)	(P)	5.
11		LAB! S_RLC	RLC_BA(cic)		
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	('simultaneous transfer')
	<-----REL-----	-----REL----->	
	-----RLC----->	<-----RLC-----	

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with LOPlc 'response' set to 'simultaneous transfer'.
 5. The call is rejected.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_10 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT rejects the call transfer if the LOP is received with loop prevention indicator set to "response" and "insufficient information" from e.g. interworking situations. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_10			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'00'B)		4.
10		LAB? R_REL	REL_AB(cic)	(P)	5.
11		LAB! S_RLC	RLC_BA(cic)		
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	('insufficient information')
	<-----REL-----	-----REL----->	
	-----RLC----->	<-----RLC-----	

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with LOPlc 'response' set to 'insufficient information'.
 5. Call is rejected.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_11 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT completes the call transfer if the LOP is received with loop prevention indicator set to "response" and "insufficient information" from e.g. interworking situations. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_11			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)		
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'00'B)		
10		LAB? R_FAC	FAC_AB(cic)	(P)	5.
11		+S_REL_etc_BA			
12		+G_Verdict_I_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	('insufficient information')
	<-----FAC-----	-----FAC----->	
	:		

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. Send back the received CTRef with LOPlc 'response' set to 'insufficient information'.
 5. FAC activating the ECT service.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_12 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT rejects the call transfer if no LOP is received within TECT expiry. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_12			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B, national)		
8		LAB? R_LOP START TECTmin, START TECTmax	LOP_AB(cic)		
9		?TIMEOUT TECTmin			
10		LAB? R_REL CANCEL TECTmax	REL_AB(cic)	(P)	4.
11		LAB! S_RLC	RLC_BA(cic)		
12		+G_Verdict_I_PTC			
13		?TIMEOUT TECTmax			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		LAB! S_REL	REL_BA(cic)	F	
15		LAB? R_RLC	RLC_AB(cic)		
16		LAB? R_REL CANCEL TECTmin, CANCEL TECTmax	REL_AB(cic)		
17		LAB! S_RLC	RLC_BA(cic)	F	
<p>Detailed Comments : SPC SPA SPB</p> <p>1st call 2nd call</p> <pre> <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- hold 1st call -----IAM-----> <-----ACM----- <-----ANM----- <-----LOP----- <-----LOP-----> No LOP response is sent, TECT expires <-----REL----- <-----REL-----> -----RLC-----> <-----RLC----- </pre> <hr/> <p>1. Initiate 2 calls from the UNI A (IUT). 2. Assist 1st call set up on the left side (SPC). 3. Assist 2nd call set up on the right side (SPB). 4. Call is rejected.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_13 Group : ECT/ Purpose : To verify that the local exchange controlling the ECT completes the call transfer if no LOP is received within TECT expiry Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_13			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP START TECTmax	LOP_AB(cic)		
9		?TIMEOUT TECTmax			
10		LAB! S_REL	REL_BA(cic)	(F)	4.
11		LAB? R_RLC	RLC_AB(cic)	(F)	
12		LAB? R_FAC CANCEL TECTmax	FAC_AB(cic)	(P)	5.
13		+S_REL_etc_BA			

Continued on next page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		+G_Verdict_I_PTC			
15		LAB? R_REL CANCEL TECTmax	REL_AB(cic)	(F)	6.
16		LAB! S_RLC	RLC_BA(cic)	(F)	

Detailed Comments :

SPC

SPA

SPB

1st call

2nd call

```

<-----IAM-----
-----ACM----->
-----ANM----->
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----

<-----LOP----- -----LOP----->
      No LOP response is sent, TECT expires
<-----FAC----- -----FAC----->
:

```

1. Initiate 2 calls from the UNI A (IUT).
2. Assist 1st call set up on the left side (SPC).
3. Assist 2nd call set up on the right side (SPB).
4. TECT expired, release the call.
5. FAC activating the ECT service.
6. The call should not be released.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_14_a Group : ECT/ Purpose : To verify that the local exchange controlling the ECT can successfully initiate a call transfer by sending FAC with the generic notification set to "call transfer, active" or "call transfer, alerting" and the service activation parameter set to "call transfer". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.2 a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_14_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_GenNot_ServAct(cic)	(P)	4.
9		+G_Release_call			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----ANM-----  
<-----CPG----- hold 1st call  
                        -----IAM----->  
                        <-----ACM-----  
                        <-----ANM-----  
<-----FAC----- <-----FAC----->  
> call transfer, active < > call transfer, active <  
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. FAC with GenNot: 'call transfer, active' and ServAct: 'call transfer'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_14_b Group : ECT/ Purpose : To verify that the local exchange controlling the ECT can successfully initiate a call transfer by sending FAC with the generic notification set to "call transfer, active" or "call transfer, alerting" and the service activation parameter set to "call transfer". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.2 a) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert			1.
3		+SS_11_14_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
              -----IAM----->
              <-----ACM-----
<-----FAC----- -----CPG----->
> call transfer, alerting <    call transfer, active
<-----FAC----- <-----ANM-----
    call transfer, active
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot: 'call transfer, active'.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_15

Group : ECT/

Purpose	: To verify that the local exchange (controlling the ECT) can successfully initiate a call transfer by sending CPG with the generic notification set to "call transfer, active" and the service activation parameter set to "call transfer".
----------------	--

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.2.1.2.2 a) /ETS 300 356-14

PRE-TEST CONDITIONS:

Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_15			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot_ServAc t(cic)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> SPC 1st call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call </div> <div style="text-align: center;"> SPA </div> <div style="text-align: center;"> SPB 2nd call </div> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM----->
                                <-----ACM-----
<-----FAC-----    -----CPG----->
    call transfer, alerting    > call transfer, active <
<-----FAC-----    <-----ANM-----
    call transfer, active
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot: 'call transfer, active' and ServAct: 'call transfer'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_16 Group : ECT/ Purpose : To verify that, in case the ECT is invoked while one call is alerting, as soon as the local exchange (controlling the ECT) receives ANM, it can successfully send to the other remote user the FAC with service activation set to "call transfer" and the generic notification set to "call transfer, active". the IUT. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.2 b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_16			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC-----   -----CPG----->
  call transfer, alerting   call transfer, active
<-----FAC-----   <-----ANM-----
  > call transfer, active <
  :
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot:' call transfer, active'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_17 Group : ECT/ Purpose : To verify that, in case the ECT is invoked while one call is alerting, the FAC sent to the other remote user upon receipt of the ANM conveys the call transfer number parameter with the information received in the generic number parameter if both the connected number and an additional connected number in the generic number are received in the ANM. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1.2.2 b) /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_17			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic, TSP_GenNb_B, national)		
9		+S_REL_etc_BA			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----ACM----->
-----ANM----->
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC----- -----CPG----->
<-----FAC----- <-----ANM-----
remote addConNb in CTNb from UNI at SPB
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot:' call transfer, active'.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_18

Group : ECT/

Purpose	: To verify that, in case the ECT is invoked while one call is alerting, the FAC sent to the other remote user upon receipt of the ANM conveys the call transfer number parameter with the information received in the connected number parameter if only the connected number is received in the ANM.
----------------	--

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.2.1.2.2 b) /ETS 300 356-14

PRE-TEST CONDITIONS:

Arrange the data in the IUT so that the served user subscribes to HOLD and ECT.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup_alert			1.
3		+SS_11_18			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA_ConNb(cic, TSP_Nb_B, national)		
9		+S_REL_etc_BA			
10		+G_Verdict_I_PTC			
Detailed Comments : <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> SPC 1st call <-----IAM----- -----ACM-----> </div> <div style="text-align: center;"> SPA </div> <div style="text-align: center;"> SPB 2nd call </div> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----ANM----->
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
<-----FAC----- -----CPG----->
<-----FAC----- <-----ANM-----
remote ConNb in CTNb from UNI at SPB
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC).
 3. Assist 2nd call set up on the right side (SPB).
 4. CPG (progress) with GenNot:' call transfer, active'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_19 Group : ECT/ Purpose : To verify that the exchange can successfully pass on the loop prevention indicator and the call transfer reference in the LOP related to the call transfer service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.3.1; 9.4.1; 9.5.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_19			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB(cic)	(P)	
7		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		2.
8		LAB? R_FAC	FAC_AB(cic)		3.
9		+S_REL_etc_BA			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- <-----ANM----- <-----ANM----- -----LOP-----> -----LOP-----> <-----LOP----- <-----LOP-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----FAC-----> -----FAC----->
:

-
1. Initiate a call from the UNI at SPC.
 2. Send back the received CTRef with 'no loop exists' indication.
 3. FAC activating the ECT service.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_20_a Group : ECT/ Purpose : To verify that the exchange can successfully pass on the access transport and the generic notification indicator in the FAC or CPG related to the call transfer service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.3.1; 9.4.1; 9.5.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_20_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_GenNot(cic)	(P)	2.
7		LAB? R_FAC	FAC_AB_ATP(cic, TSP_Sub_E)	(P)	3.
8		LAB! S_FAC	FAC_BA_ATP(cic, TSP_Sub_B)		4.
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- <-----ANM----- <-----ANM----- -----FAC-----> -----FAC-----> call transfer, active -----FAC-----> -----FAC-----> sub-address in ATP from UNI at E					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----FAC----- <-----FAC----- sub-address in ATP from UNI at B
:

-
1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer.
 2. FAC with GenNot: 'call transfer, active'.
 3. Receive sub-address from UNI at SPE, beyond SPC.
 4. Send sub-address of UNI at SPB.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_20_b Group : ECT/ Purpose : To verify that the exchange can successfully pass on the access transport and the generic notification indicator in the FAC or CPG related to the call transfer service. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.3.1; 9.4.1; 9.5.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_20_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctalert]	CPG_AB_GenNot(cic)	(P)	2. ** [4.8] Changed 110899 BM **
6		LAB! S_ANM	ANM_BA(cic)		
7		LAB? R_FAC	FAC_AB_ATP(cic, TSP_Sub_E)	(P)	3.
8		LAB! S_FAC	FAC_BA_ATP(cic, TSP_Sub_B)		4.
9		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- -----CPG-----> -----CPG-----> call transfer, active					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ANM----- <-----ANM-----
-----FAC-----> -----FAC-----> sub-address in ATP from UNI at E
<-----FAC----- <-----FAC----- sub-address in ATP from UNI at B
:

-
1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer.
 2. CPG with GenNot: 'call transfer, active'.
 3. Receive sub-address from UNI at SPE, beyond SPC.
 4. Send sub-address of UNI at SPB.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_21_a

Group : ECT/

Purpose : To verify that the exchange removes the call transfer number in the FAC or CPG before sending it to the next exchange, if its indicator is set to "presentation restricted" and there is no bilateral agreement.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 7; 9.4.1; 9.5.1 /ETS 300 356-14

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_21_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_NO_CTNb(cic)	(P)	2.
7		+S_REL_etc_BA			

Detailed Comments :

SPC SPA SPB

```

-----IAM-----> -----IAM----->
<-----ACM----- <-----ACM-----
<-----ANM----- <-----ANM-----
-----FAC-----> -----FAC-----> CTNb removal
:

```

1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer.
2. FAC with GenNot: 'call transfer, active' and CTNb removed.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_21_b Group : ECT/ Purpose : To verify that the exchange removes the call transfer number in the FAC or CPG before sending it to the next exchange, if its indicator is set to "presentation restricted" and there is no bilateral agreement. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.4.1; 9.5.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_21_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctalert]	CPG_AB_NO_CTNb(cic)	(P)	2. ** [4.8] Changed 110899 BM **
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- -----CPG-----> -----CPG-----> CTNb removal <-----ANM----- <-----ANM----- : </pre> <hr/> 1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer. 2. CPG (progress) with GenNot: 'call transfer, active' and no CTNb.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_22_a

Group : ECT/

Purpose : To verify that the IUT converts the call transfer number to international format. The nature of address indicator shall be set to "international number".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 7; 9.4.1 /ETS 300 356-14

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_22_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSO_r_fwd(TSP_Nb_E), TSO_r_fwd_NatAdrl())	(P)	2.
7		+S_REL_etc_BA			

Detailed Comments : SPC

SPA

SPB

-----IAM-----> -----IAM----->

<-----ACM----- <-----ACM-----

<-----ANM----- <-----ANM-----

-----FAC-----> -----FAC-----> CTNb converted to international format

:

1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer.

2. FAC with GenNot: 'call transfer, active' and international CTNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_22_b Group : ECT/ Purpose : To verify that the IUT converts the call transfer number to international format. The nature of address indicator shall be set to "international number". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.4.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_22_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctalert]	CPG_AB_CTNb(cic,TSO_r_fwd(TSP_Nb_E),TSO_r_fwd_NatAdrl())	(P)	2. ** [4.8] Changed 110899 BM **
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- -----CPG-----> -----CPG-----> CTNb converted to international format <-----ANM----- <-----ANM----- : </pre> <hr/> 1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer. 2. CPG with GenNot: 'call transfer, active' and international CTNb.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_23_a

Group : ECT/

Purpose : To verify that the IUT removes the country code in the address signals of the call transfer number if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 7; 9.5.1 /ETS 300 356-14

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_23_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB! S_ANM	ANM_BA(cic)		
6		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb(cic,TSO_r_fwd(TSP_Nb_E),TSO_r_fwd_NatAdrl())	(P)	2.
7		+S_REL_etc_BA			

Detailed Comments :

SPC	SPA	SPB
-----IAM----->	-----IAM----->	
<-----ACM-----	<-----ACM-----	
<-----ANM-----	<-----ANM-----	
-----FAC----->	-----FAC----->	CTNb converted to national format
:		

1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer.
2. FAC with GenNot: 'call transfer, active' and national (significant) CTNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_23_b Group : ECT/ Purpose : To verify that the IUT removes the country code in the address signals of the call transfer number if it is the network's own country code. The nature of address indicator shall be set to "national (significant) number". Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7; 9.5.1 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_23_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctalert]	CPG_AB_CTNb(cic,TSO_r_fwd(TSP_Nb_E),TSO_r_fwd_NatAdrl())	(P)	2. ** [4.8] Changed 110899 BM **
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- -----CPG-----> -----CPG-----> CTNb converted to national format <-----ANM----- <-----ANM----- : </pre> <hr/> 1. Initiate a call from the UNI at SPC. UNI at SPC will initiate call transfer. 2. CPG with GenNot: 'call transfer, active' and national (significant) CTNb.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_24					
Group : ECT/					
Purpose : To verify that the local exchange (controlling the ECT) can successfully initiate echo control procedures, when the total propagation delay for the two legs of the call to be transferred requires usage of echo control devices. The information to be summed is received in the propagation delay counter of the IAM for incoming calls and in the call history information of the ANM/CON for outgoing calls.					
Configuration : MixedCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 9.7.1 /ETS 300 356–14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_24			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		(TCV_PDC:= TSO_INT_TO_OCT(TSP_PDC))			
8		LAB! S_ANM	ANM_BA_CHInf(cic,TCV_PDC)		4.
9		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_GenNot(cic)	(P)	5.
10		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

-----IAM(PDC=50)---->
<-----ACM-----
<-----ANM-----
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <--ANM(CHInf=50)---
<-----FAC-----  -----FAC----->
:

```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. The stimulus IAM contains an initial propagation delay value of e.g. 50 ms. The actual value is stored in PIXIT table
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. Send an ANM with Call history information of e.g. 50 ms.
 5. FAC with GenNot: 'call transfer, active'. The sum (in this case 100 ms) of the propagation delays on the two routes would require echo controlling devices. Are echo control devices enabled for the connection (both incoming/outgoing at the local exchange) or is some better placement searched?
For further study, ISUP version 3 (see also CONF TC ISS_10_1).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_25 Group : ECT/ Purpose : To verify that the IUT is able to support call control interworking between ISUP v2 and protocols not supporting the loop prevention procedure, and return a LOP (response) message with the indication "insufficient information" in response to a LOP (request) message. Configuration : IWorkCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 10 /ETS 300 356-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_25			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_C_Non_ISUP)		
5		LAB? R_ACM	ACM_AB(cic)		
6		LAB? R_ANM	ANM_AB(cic)		
7		LAB! S_LOP (S_LOP.isup_pdu.CTRef.CTId:=TSP_CTRef)	LOP_BA(cic)		2.
8		LAB? R_LOP [(R_LOP.isup_pdu.CTRef.CTId=TSP_CTRef) AND (R_LOP.isup_pdu.LOPlc.Type='1'B) AND (R_LOP.isup_pdu.LOPlc.Rspl='00'B)]	LOP_AB(cic)	(P)	3.
9		[TSP_CT_LOP_ins_inf]			
10		LAB! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_BA_GenNot(cic)		4.
11		+Check_communication			
12		+G_Release_call			
13		[NOT TSP_CT_LOP_ins_inf]			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		LAB! S_REL	REL_BA(cic)		5.
15		LAB? R_RLC	RLC_AB(cic)	(P)	
<div>Detailed Comments :</div> <div><div>SPC</div><div>SPA</div><div>SPB</div><div><-----IAI-----<-----IAM-----</div><div>-----ACM----->-----ACM-----></div><div>-----ANC----->-----ANM-----></div><div><-----LOP-----</div><div>-----LOP-----></div><div><-----FAC----- (PICS A.14/9 = YES)</div><div>:</div><div>OR</div><div><-----CCL-----<-----REL----- (PICS A.14/9 = NO)</div><div>:</div></div> <div></div> <div><div>1. Assist a call set up from the UNI at SPB on a non-ISUP route.</div><div>2. Send LOP request.</div><div>3. Receive LOP response with the same CTRef and 'insufficient information'</div><div>4. Complete call (YES to PICS question A.14/9) and send FAC with GenNot:'call transfer, active'.</div><div>5. Reject call (YES to PICS question A.14/8).</div><div>See also ECT TC ISS_V_11_10 and ISS_V_11_11</div></div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_26_a

Group : ECT/

Purpose	: To verify that the exchange discards the FAC (always) and the CPG (if received during alerting) and successfully completes the call transfer.
----------------	---

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 10 /ETS 300 356-14

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_26			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_C_Non_ISUP)		
5		LAB? R_ACM	ACM_AB(cic)		
6		LAB? R_ANM	ANM_AB(cic)		
7		LAB! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_BA_GenNot(cic)		2.
8		+Check_communication			3.
9		+G_Release_call			
Detailed Comments : SPC non-ISUP SPA SPB <-----IAI-----> <-----IAM-----> -----ACM-----> -----ACM-----> -----ANC-----> -----ANM-----> <-----FAC-----> call transfer, active : <hr/>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist a call set up from the UNI at SPB on a non-ISUP route.
2. Send FAC with GenNot:'call transfer, active'.
3. The call should complete.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_26_b

Group : ECT/

Purpose	: To verify that the exchange discards the FAC (always) and the CPG (if received during alerting) and successfully completes the call transfer.
----------------	---

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 10 /ETS 300 356-14

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_11_26			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_C_Non_ISUP)		
5		LAB? R_ACM	ACM_AB(cic)		
6		LAB! S_CPG (S_CPG.isup_pdu.GenNot.NotInd:=ctactive)	CPG_BA_GenNot(cic)		2.
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			3.
9		+G_Release_call			
Detailed Comments : SPC non-ISUP SPA SPB <-----IAI-----> <-----IAM-----> -----ACM-----> -----ACM-----> <-----CPG-----> call transfer, active -----ANC-----> -----ANM-----> : <hr/>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist a call set up from the UNI at SPB on a non-ISUP route.
2. Send CPG with GenNot:'call transfer, active'
3. The call should complete.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_27_a Group : ECT/ Purpose : To verify that if the ECT is invoked while a remote user is alerted, the originating exchange discards the user-to-user information received in the ANM or REL from that remote user. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT and UUS1.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert_UUS1			1.
3		+SS_11_27_28			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		3.
6		LAB! S_ACM	ACM_BA_UUInf(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA_UUInf(cic)		5.
9		+G_Release_call			
10		+G_Verdict_A_PTC			6.
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM (UUInf)----->
                                <----ACM (UUInf)-----
<-----FAC-----          -----CPG----->
  call transfer, alerting    call transfer, active
<-----FAC-----          <----ANM (UUInf)-----
  call transfer, active
:
```

1. Assist call setup for the 1st call and then initiate the 2nd call (with UUInf) at the UNI A (IUT).
2. Initiate the 1st call set up on the left side (SPC).
3. Assist 2nd call set up on the right side (SPB).
4. CPG (progress) with GenNot: 'call transfer, active'.
5. The 2nd call is answered with UUInf in the ANM, which is to be discarded.
6. Get the verdict from the access side, 'pass' if UUInf discarded.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_27_b Group : ECT/ Purpose : To verify that if the ECT is invoked while a remote user is alerted, the originating exchange discards the user-to-user information received in the ANM or REL from that remote user. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17.1 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT and UUS1.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert_UUS1			1.
3		+SS_11_27_28			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInf		3.
6		LAB! S_ACM	ACM_BA_UUInf(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_REL	REL_BA_UUInf(cic)		5.
9		LAB? R_RLC	RLC_AB(cic)		
10		+G_Verdict_A_PTC			6.
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM (UUInf)----->
                                <---ACM (UUInf)-----
<-----FAC-----   -----CPG----->
    call transfer, alerting   call transfer, active
<-----REL-----   <---REL (UUInf)-----
-----RLC----->   -----RLC----->
```

1. Assist call setup for the 1st call and then initiate the 2nd call (with UUInf) at the UNI A (IUT).
2. Initiate the 1st call set up on the left side (SPC).
3. Assist 2nd call set up on the right side (SPB).
4. CPG (progress) with GenNot: 'call transfer, active'.
5. The 2nd call is released with UUInf in the REL, which is to be discarded.
6. Get the verdict from the access side, 'pass' if UUInf discarded.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_28 Group : ECT/ Purpose : To verify that if the ECT is invoked while a remote user is alerted, the exchange discards the USR messages received after the call transfer invocation until the ANM from that remote user is received. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17.2 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT and UUS2.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert_UUS2			1.
3		+SS_11_27_28			2.
4		+M_coordinate			
5		LAB? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv2=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_UUInd		3.
6		LAB! S_ACM (S_ACM.isup_pdu.UUInd.Type='1'B, S_ACM.isup_pdu.UUInd.Serv2:=provided)	ACM_BA_UUInd(cic)		4.
7		LAB! S_USR	USR_BA(cic)		5.
8		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		6.
9		LAB! S_USR	USR_BA(cic)		7.
10		LAB! S_ANM	ANM_BA(cic)		
11		+G_Release_call			
12		+G_Verdict_A_PTC			8.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

SPC	SPA	SPB
1st call		2nd call
-----IAM----->		
<-----ACM-----		
<-----ANM-----		
<-----CPG-----	hold 1st call	
	-----IAM----->	
	<-----ACM-----	
	<-----USR-----	
<-----FAC-----	-----CPG----->	
call transfer, alerting	call transfer, active	
	<-----USR-----	
<-----FAC-----	<-----ANM-----	
call transfer, active		
:		

1. Assist call setup for the 1st call and then initiate the 2nd call (with UUInf) at the UNI A (IUT).
2. Initiate the 1st call set up on the left side (SPC).
3. Assist 2nd call set up on the right side (SPB) and check the UUS2 request.
4. Accept the requested UUS2 service.
5. Send the 1st USR message. The UUInf should be received on the access side.
6. CPG (progress) with GenNot: 'call transfer, active'.
7. Send the 2nd USR message. The UUInf should not be received on the access side.
8. Get the verdict from the access side, 'pass' if UUInf discarded.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_29 Group : ECT/ Purpose : To verify that the exchange discards the USR messages if received after the call transfer invocation until the call transfer is completed, i.e. either FAC is sent to the remote users when both calls are already answered or ANM is received from a remote user when one of the calls is alerting. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.17.3 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT and UUS3.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert_UUS3			1.
3		+SS_11_29			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot(cic)		4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
10		+G_Verdict_A_PTC			5.
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM-----					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<-----CPG----- hold 1st call
                -----IAM----->
                <-----ACM-----
-----USR----->
<-----FAC----- -----CPG----->
    call transfer, alerting    call transfer, active
-----USR----->
<-----FAC----- <-----ANM-----
    call transfer, active
:

```

1. Assist call setup for the 1st call and then initiate the 2nd call (with UUInf) at the UNI A (IUT).
2. Initiate the 1st call set up on the left side (SPC).
3. Assist 2nd call set up on the right side (SPB).
4. CPG (progress) with GenNot: 'call transfer, active'.
5. Get the verdict from the access side, 'pass' if UUInf discarded.

Note: The first part of the purpose has not been implemented because the time window between call transfer invocation and completion when both calls are answered is too small to permit sending of USR exactly within this interval..

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_30

Group : ECT/

Purpose	: To verify that if the IUT is able to store and send the sub-address in the access transport parameter in the FAC message in either direction when activating the call transfer service. These are the calling sub-address for incoming calls and the connected sub-address for outgoing calls.
----------------	--

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments	: REFERENCE: Figure A.4 /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.
-----------------	--

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_30			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ATP_ConNb(cic,TSP_Nb_B,TSP_Sub_B)		4.
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_GenNot(cic)		5.
9		LAB? R_FAC	FAC_AB_ATP(cic,TSP_Sub_C)	(P)	6.
10		+G_Release_call			
11		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB 1st call 2nd call					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

-----IAM----->
<-----ACM-----
<-----ANM-----
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----
<-----FAC----- -----FAC-----> call transfer activation
<-----FAC----- -----FAC----->
  sub-address in ATP    sub-address in ATP
    from UNI at B      from UNI at C
:

```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. Answer the call by specifying a connected number and a connected sub-address.
 5. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer'.
 6. Receive sub-address from UNI at SPC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_31_a Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the call transfer number in the FAC or CPG. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_2_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CTNb_CmpInf(cic)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM----->
                                <-----ACM-----
                                <-----ANM-----
<-----FAC-----  -----FAC-----> CTNb with Cmplnf
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_a.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with GenNot:' call transfer, active' and CTNb with correct ParCmp.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_31_b Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the call transfer number in the FAC or CPG. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert			1.
3		+SS_11_2_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_CTNb_CmplInf(cic)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM----->
                                <-----ACM-----
<-----FAC-----   -----CPG-----> CTNb with Cmplnf
<-----FAC-----   <-----ANM-----
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_b.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. CPG (progress) with GenNot:' call transfer, active' and CTNb with correct ParCmp.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_11_32

Group : ECT/

Purpose : To verify that the IUT generates the correct parameter compatibility information for the call transfer reference in the LOP.

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: Annex B /ETS 300 356-14

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the served user subscribes to ECT.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_6			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B, national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB_CTRef_CmplInf(ci c)	(P)	4.
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_ CTRef_r,'1'B,'01'B)		5.
10		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB(cic)		6.
11		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<-----IAM-----
-----ACM----->
-----ANM----->
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----

<-----LOP-----  -----LOP----->
-----LOP-----> <-----LOP-----
<-----FAC-----  -----FAC----->
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC). This is the same step as in TC ISS_V_11_6.
 3. Assist 2nd call set up on the right side (SPB).
 4. Receive a LOP containing a CTRef with correct ParCmp.
 5. Send back the received CTRef with 'no loop exists' indication.
 6. FAC activating the ECT service (GenNot:' call transfer, active').

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_33_a Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the generic notification parameter in the FAC or CPG. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_2_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_GenNot_CmplInf(cic)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM----->
                                <-----ACM-----
                                <-----ANM-----
<-----FAC-----  -----FAC-----> GenNot with Cmplnf
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_a.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with GenNot:' call transfer, active' with correct ParCmp.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_33_b Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the generic notification parameter in the FAC or CPG. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup_alert			1.
3		+SS_11_2_b			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=ctactive]	CPG_AB_GenNot_CmplInf(cic)	(P)	4.
8		LAB! S_ANM	ANM_BA(cic)		
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```

                                -----IAM----->
                                <-----ACM-----
<-----FAC-----   -----CPG-----> GenNot with Cmplnf
<-----FAC-----   <-----ANM-----
:
```

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_b.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. CPG (progress) with GenNot:' call transfer, active' with correct ParCmp.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_34 Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the loop prevention indicators in the LOP. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_6			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB_LOPlc_CmpInf(cic)	(P)	4.
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		5.
10		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB(cic)		6.
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPC	SPA	SPB
	1st call		2nd call
	<-----IAM-----		
	-----ACM----->		
	-----ANM----->		
	<-----CPG-----	hold 1st call	
		-----IAM----->	
		<-----ACM-----	
		<-----ANM-----	
	<-----LOP-----	-----LOP----->	
	-----LOP----->	<-----LOP-----	
	<-----FAC-----	-----FAC----->	
	:		

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC). This is the same step as in TC ISS_V_11_6.
 3. Assist 2nd call set up on the right side (SPB).
 4. Receive a LOP containing a LOPIc with correct ParCmp.
 5. Send back the received CTRef with 'no loop exists' indication.
 6. FAC activating the ECT service (GenNot.' call transfer, active').

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_35 Group : ECT/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the service activation in the FAC. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: should be Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_2_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_ServAct_CmplInf (cic)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call -----IAM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----ANM-----
<-----FAC----- -----FAC-----> GenNot with Cmplnf
:

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_a.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with GenNot:' call transfer, active' and ServAct with correct ParCmp.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_36 Group : ECT/ Purpose : To verify that the IUT generates the correct message compatibility information for the LOP message. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_initiate_setup			1.
3		+SS_11_6			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA_ConNb_GenNb(cic,TSP_GenNb_B,national)		
8		LAB? R_LOP (TCV_CTRef_r:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AB_CmplInf(cic)	(P)	4.
9		LAB! S_LOP	LOP_BA_CTRef(cic,TCV_CTRef_r,'1'B,'01'B)		5.
10		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB(cic)		6.
11		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB 1st call 2nd call <-----IAM-----					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

-----ACM----->
-----ANM----->
<-----CPG----- hold 1st call
                        -----IAM----->
                        <-----ACM-----
                        <-----ANM-----
<-----LOP----- -----LOP-----> correct MsgCmp
-----LOP-----> <-----LOP-----
<-----FAC----- -----FAC----->
:
```

-
1. Initiate 2 calls from the UNI A (IUT).
 2. Assist 1st call set up on the left side (SPC). This is the same step as in TC ISS_V_11_6.
 3. Assist 2nd call set up on the right side (SPB).
 4. Receive a LOP with correct MsgCmp.
 5. Send back the received CTRef with 'no loop exists' indication.
 6. FAC activating the ECT service (GenNot:' call transfer, active').

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_11_37 Group : ECT/ Purpose : To verify that the IUT generates the correct message compatibility information for the FAC message. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: should be Annex B /ETS 300 356–14 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the served user subscribes to ECT.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+M_assist_setup			1.
3		+SS_11_2_a			2.
4		+M_coordinate			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		3.
6		LAB! S_ACM	ACM_BA(cic)		
7		LAB! S_ANM	ANM_BA(cic)		
8		LAB? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AB_CmpInf(cic)	(P)	4.
9		+G_Release_call			
Detailed Comments : SPC SPA SPB 1st call 2nd call <pre> -----IAM-----> <-----ACM----- <-----ANM----- <-----CPG----- hold 1st call -----IAM-----> <-----ACM----- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ANM-----
<-----FAC----- -----FAC-----> correct MsgCmp
:

-
1. Assist call setup for the 1st call and then initiate the 2nd call at the UNI A (IUT).
 2. Initiate the 1st call from SPC to the IUT (SPA) using the number TSP_Nb_A on the 1st B-channel. This is the same step as in TC ISS_V_11_2_a.
 3. Assist the 2nd call set up from UNI A to the IUT on the 2nd B-channel.
 4. FAC with correct MsgCmp.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_1_a Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion occurs. The ACM contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number. Applicable redirection reason in the call diversion information : "busy" CFB(n); CFB(u,l) "unconditional" CFU "deflection immediate response"CD(i,l) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Completion of diverting call with parameters in (late) ACM – CFB")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFB)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access SPA SPB D

```

-----setup-----> -----IAM-----> ( -----IAM-----> )
                    <-----ACM-----
<-----alerting ----- <-----CPG----- ( <-----ACM----- )

                ... ringing tone ...
<-----answer----- <-----ANM----- ( <-----ANM----- )
:
```

-
1. The stimulus access will initiate a call set up .
 2. Redirection reason is 'busy'.
 3. CPG (alerting) coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_1_b Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion occurs. The ACM contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number. Applicable redirection reason in the call diversion information : "busy" CFB(n); CFB(u,l) "unconditional" CFU "deflection immediate response" CD(i,l) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection reason unconditional")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:
:

-
1. The stimulus access will initiate a call set up.
 2. Redirection reason is "unconditional" .
 3. CPG (alerting) coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_1_c Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion occurs. The ACM contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number. Applicable redirection reason in the call diversion information : "busy" CFB(n); CFB(u,l) "unconditional" CFU "deflection immediate response" CD(i,l) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection reason Deflection immediate response, late ACM")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:='00'B, S_ACM.isup_pdu.BCI.CdPC:='00'B, S_ACM.isup_pdu.CDInf.RnReas:='0101'B)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access A (IUT) B D

```

-----setup-----> -----IAM-----> ( -----IAM-----> )
                        <-----ACM-----
<-----alerting ----- <-----CPG----- ( <-----ACM----- )

                        ... ringing tone ...
<-----answer----- <-----ANM----- ( <-----ANM----- )
:
```

-
1. The stimulus access will initiate a call set up.
 2. Redirection reason is 'deflection immediate response' .
 3. CPG (alerting) coded as if it has been mapped from ACM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_2_a Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion may occur. The ACM indicates that "call diversion may occur" in the optional backward call indicators. The following CPG contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number, if diversion occurs. Applicable redirection reason in the call diversion information : "busy" CFB(u,e) "no reply" CFNR "deflection during alerting" CD(a) "deflection immediate response" CD(i,e) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732 PRE-TEST CONDITIONS: Arrange the data in the IUT such that an early ACM is sent.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Completion of diverting call with indications in (early) ACM and CPG (CFB)")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.RnReas:=CFB)	CPG_BA_CDInf_GenNot_RnNb(cic,TSP_Nb_D,national)		3.
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		4.
7		+Check_ringing_tone_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
<div>Detailed Comments :</div> <div>access SPA SPB D</div> <div>-----setup-----> -----IAM-----></div> <div><-----ACM-----</div> <div>(no indication) <-----CPG----- (-----IAM----->)</div> <div><-----alerting -----<-----CPG----- (<-----ACM-----)</div> <div>... ringing tone ...</div> <div><-----answer----- <-----ANM----- (<-----ANM-----)</div> <div>:</div> <div><div></div><div>1. The stimulus access will initiate a call set up.</div><div>2. 'Call diversion may occur' in Event indicator.</div><div>3. 'Call forwarded on busy' in Event indicator and also Call diversion information.</div><div>4. CPG (alerting) coded as if it has been mapped from ACM, with RnNbRes parameter.</div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_2_b Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion may occur. The ACM indicates that "call diversion may occur" in the optional backward call indicators. The following CPG contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number, if diversion occurs. Applicable redirection reason in the call diversion information : "busy" CFB(u,e) "no reply" CFNR "deflection during alerting" CD(a) "deflection immediate response" CD(i,e) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection reason No reply")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.CDInf.RnReas:=CFNR)	CPG_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		3.
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		4.
7		+Check_ringing_tone_BA			
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access SPA SPB D

```

-----setup-----> -----IAM----->
<-----alerting ----- <-----ACM-----

      (progress )          <-----CPG----- ( -----IAM-----> )
<-----alerting ----- <-----CPG----- ( <-----ACM----- )

      ... ringing tone ...
<-----answer----- <-----ANM----- ( <-----ANM----- )
:
```

-
1. The stimulus access will initiate a call set up .
 2. 'Subscriber free' in CdPSI & 'Call diversion may occur' in OBCI.
 3. CPG (Progress) in Event indicator and also Call diversion information ('CFNR'), Generic notification, and redirection Number.
 4. CPG (alerting) coded as if it has been mapped from ACM, with RnNbRes parameter, and including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_2_c Group : CDIV/ Purpose : To verify that a call can be successfully established, if diversion may occur. The ACM indicates that "call diversion may occur" in the optional backward call indicators. The following CPG contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number, if diversion occurs. Applicable redirection reason in the call diversion information : "busy" CFB(u,e) "no reply" CFNR "deflection during alerting" CD(a) "deflection immediate response" CD(i,e) Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection reason Deflection during alerting")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.Eventl:=progress, S_CPG.isup_pdu.CDInf.RnReas:=CDa)	CPG_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		3.
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		4.
7		+Check_ringing_tone_BA			
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access SPA SPB D

```

-----setup-----> -----IAM----->
                    <-----ACM-----
      (no indication )    <-----CPG----- ( -----IAM-----> )
<-----alerting ----- <-----CPG----- ( <-----ACM----- )

      ... ringing tone ...
<-----answer----- <-----ANM----- ( <-----ANM----- )
:
```

-
1. The stimulus access will initiate a call set up .
 2. 'Subscriber free' in CdPSI & 'Call diversion may occur' in Event indicator.
 3. CPG(Progress) in Event indicator and also Call diversion information ('CDa'), Generic notification, and redirection Number.
 4. CPG(alerting) coded as if it has been mapped from ACM, with RnNbRes parameter, and including BCI.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_2_d

Group : CDIV/

Purpose : To verify that a call can be successfully established, if diversion may occur. The ACM indicates that "call diversion may occur" in the optional backward call indicators. The following CPG contains the generic notification indicator set to "call is diverting", the call diversion information and the redirection number, if diversion occurs.
Applicable redirection reason in the call diversion information :
"busy" CFB(u,e)
"no reply" CFNR
"deflection during alerting" CD(a)
"deflection immediate response" CD(i,e)

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.1.1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection reason Deflection immediate response, early ACM")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.RnReas:=CDi)	CPG_BA_CDInf_GenNot_RnNb(cic,TSP_Nb_D,national)		3.
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		4.
7		+Check_ringing_tone_BA			
8		LAB! S_ANM	ANM_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB D</p> <pre> -----setup-----> -----IAM-----> <-----ACM----- (no indication) <-----CPG----- (-----IAM----->) <-----alerting ----- <-----CPG----- (<-----ACM-----) ... ringing tone ... <-----answer----- <-----ANM----- (<-----ANM-----) : </pre> <hr/> <ol style="list-style-type: none"> 1. The stimulus access will initiate a call set up. 2. 'Subscriber free' in CdPSI & 'Call diversion may occur' in Event indicator. 3. 'Deflection immediate response' in Event indicator and also Call diversion information. 4. CPG (alerting) coded as if it has been mapped from ACM, with RnNbRes parameter. 					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_3

Group : CDIV/

Purpose : To verify that the originating exchange makes the redirection number available to the calling access signalling system, if the notification subscription option of the call diversion information is coded "010 presentation allowed with redirection number".
The redirection number restriction parameter is set to "00 presentation allowed".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 ; Table 2-1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_1("Redirection number – presentation allowed – according to the notification subscription option")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB D
-----setup-----> -----IAM-----> (-----IAM----->)
<-----ACM-----

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...

<-----answer----- <-----ANM----- (<-----ANM-----)

:

1. The stimulus access will initiate a call set up. The verdict will be set to pass if the Redirection number is presented on the access.

2. NSO is 'presentation allowed with redirection number' (implicit) and RnReas=CFU.

NOTE : CFU is used as redirection reason, but other reasons are also applicable.

3. Redirection number restriction parameter 'presentation allowed' (implicit).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_4_a Group : CDIV/ Purpose : To verify that the originating exchange does not make the redirection number available to the calling access signalling system, if the notification subscription option of the call diversion information is coded "001 presentation not allowed", "011 presentation allowed without redirection number" or "000 unknown". The redirection number restriction parameter is set to "00 presentation allowed". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.4.2 ; Table 2-1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Redirection number – presentation restricted – according to the notification subscription option (001)")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.NSO:='001'B, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NSO is 'presentation allowed with redirection number' (implicit) and RnReas=CFU.
NOTE : CFU is used as redirection reason, but other reasons are also applicable.
 3. Redirection number restriction parameter 'presentation allowed' (implicit/default).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_4_b

Group : CDIV/

Purpose : To verify that the originating exchange does not make the redirection number available to the calling access signalling system, if the notification subscription option of the call diversion information is coded "001 presentation not allowed", "011 presentation allowed without redirection number" or "000 unknown".
The redirection number restriction parameter is set to "00 presentation allowed".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 ; Table 2-1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Redirection number – presentation restricted – according to the notification subscription option (011)")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.NSO:='011'B, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NSO is 'presentation allowed without redirection number' and RnReas=CFU.
NOTE : CFU is used as redirection reason, but other reasons are also applicable.
 3. Redirection number restriction parameter 'presentation allowed' (implicit).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_4_c

Group : CDIV/

Purpose : To verify that the originating exchange does not make the redirection number available to the calling access signalling system, if the notification subscription option of the call diversion information is coded "001 presentation not allowed", "011 presentation allowed without redirection number" or "000 unknown".

The redirection number restriction parameter is set to "00 presentation allowed".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 ; Table 2-1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Redirection number – presentation restricted – according to the notification subscription option")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.NSO:='000'B, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : access SPA SPB D

```

-----setup-----> -----IAM-----> ( -----IAM-----> )
                    <-----ACM-----
<-----alerting ----- <-----CPG----- ( <-----ACM----- )

                    ... ringing tone ...
<-----answer----- <-----ANM----- ( <-----ANM----- )
:
```

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NSO is 'unknown' and RnReas=CFU.
NOTE : CFU is used as redirection reason, but other reasons are also applicable.
 3. Redirection number restriction parameter 'presentation allowed' (implicit/default).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_5

Group : CDIV/

Purpose : To verify that the originating exchange does not make the redirection number available to the calling access signalling system, if the redirection number restriction parameter indicates "01 Presentation restricted".

The notification subscription option of the call diversion information is coded "010 Presentation allowed with redirection number".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2; Table 2-1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Redirection number – presentation restricted – according to redirection number restriction parameter")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.RnNbRes.RnNbRes!:=‘01’B)	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NSO is 'presentation allowed with redirection number' (implicit)' and RnReas=CFU.
NOTE : CFU is used as redirection reason, but other reasons are also applicable.
 3. The Redirection number restriction parameter is set to 'presentation restricted'.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_6

Group : CDIV/

Purpose : To verify that the originating exchange does not make the redirection number available to the calling access signalling system, if no redirection number restriction parameter is received.

The notification subscription option of the call diversion information is coded "010 Presentation allowed with redirection number".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 ; Table 2-1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Redirection number – presentation restricted – no redirection number restriction parameter received")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG	CPG_BA(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ACM-----
<-----alerting ----- <-----CPG----- (<-----ACM-----)

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NSO is 'presentation allowed with redirection number' (implicit) and RnReas=CFU.
 3. CPG (alerting) without the redirection number restriction parameter is sent to the IUT.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_7

Group : CDIV/

Purpose : To verify that the originating exchange does not make any redirection number available to the calling access signalling system, if the last diverting exchange does not send one.

Note: The first diverting exchange sends the redirection number and allows for its presentation. The second (last) diversion allows for the presentation of the redirection number, but does not send it, i.e. only call diversion information is present in the message and the redirection number is missing. The redirection number restriction parameter is also received as "presentation allowed".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 /Q.732; Figure 6 /ETS 300 204

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Multiple diversions – redirection number not sent by the last diversion")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.NSO:='010'B, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.NSO:='010'B, S_CPG.isup_pdu.CDInf.RnReas:=CFU)	CPG_BA_CDInf_GenNot(c ic)		3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		4.
7		+Check_ringing_tone_BA			
8		LAB! S_ANM	ANM_BA(cic)		
9		+S_REL_etc_BA			
10		+G_Verdict_A_PTC			
<div>Detailed Comments : access SPA SPB SPD</div> <div>-----setup-----> -----IAM-----> (-----IAM----->)</div> <div>(no indication) <-----ACM----- 1st diversion</div> <div>(no indication) <-----CPG----- (<-----ACM-----) 2nd diversion</div> <div><-----alerting ----- <-----CPG----- (<-----CPG-----) (alerting)</div> <div>:</div> <div></div> <div>1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.</div> <div>2. ACM no indication with NSO: 'Presentation allowed with number', RnReas=CFU and 1st Redirection number.</div> <div>3. CPG progress with NSO: 'Presentation allowed with number', RnReas=CFU and NO 2nd Redirection number.</div> <div>4 CPG alerting with RnNbRes parameter for the 2nd Redirection number.</div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_8

Group : CDIV/

Purpose : To verify that the originating exchange handles the presentation of the redirection number according to the contents of the most restrictive notification subscription option of the call diversion information, if the forwarded-to user allows presentation of the number ("presentation allowed" in the redirection number restriction parameter).

Note: Several messages each containing the call diversion information are received, as if multiple forwardings have occurred (from option B – immediate release – diverting exchanges, so no collecting of information takes place).

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.4.2 /Q.732

NSO 000 = 'unknown'

NSO 001 = "presentation not allowed"

NSO 010 = 'presentation allowed with redirection number'

NSO 011 = 'presentation allowed without redirection number'

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_4("Multiple diversions – redirection number – presentation according to the most restrictive notification subscription option (001)")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.NSO:='010'B, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSP_Nb_D, national)		2. NSO: 'Presentation allowed with number'

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
5		LAB! S_CPG (S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.NSO:='011'B, S_CPG.isup_pdu.CDInf.RnReas:=CFU)	CPG_BA_CDInf_GenNot_ RnNb_RnNbRes(cic,TSP_ Nb_D2)		2. NSO: 'Presentation allowed without number' 3.
6		LAB! S_CPG (S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.NSO:='001'B, S_CPG.isup_pdu.CDInf.RnReas:=CFU)	CPG_BA_CDInf_GenNot_ RnNb_RnNbRes(cic,TSP_ Nb_D3)		2. NSO: 'Presentation not allowed' 3.
7		LAB! S_CPG (S_CPG.isup_pdu.BCI.CdPSI:=NoInd, S_CPG.isup_pdu.BCI.CdPC:=NoInd, S_CPG.isup_pdu.CDInf.NSO:='010'B, S_CPG.isup_pdu.CDInf.RnReas:=CFU)	CPG_BA_CDInf_GenNot_ RnNb_RnNbRes(cic,TSP_ Nb_D4)		2. NSO: 'Presentation allowed with number' 3.
8		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
9		+Check_ringing_tone_BA			
10		LAB! S_ANM	ANM_BA(cic)		
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB D -----setup-----> -----IAM-----> (-----IAM----->) (no indication) <-----ACM----- 1.st diversion (no indication) <-----CPG----- (<-----ACM-----) 2.nd diversion (no indication) <-----CPG----- (<-----CPG-----) 3.rd diversion (no indication) <-----CPG----- (<-----CPG-----) 4.th diversion <-----alerting ----- <-----CPG----- (<-----CPG-----) (alerting)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----answer----- <-----ANM----- (<-----ANM-----)
:

-
1. The stimulus access will initiate a call set up. The verdict will be set to pass if no Redirection number is presented on the access.
 2. NOTE : CFU is used as redirection reason, but other reasons are also applicable.
 3. Redirection number restriction parameter 'presentation allowed' (implicit/default).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_9_a

Group : CDIV/

Purpose : To verify that the IUT can successfully pass on in the backward direction (on the leg before the diversion) all the diversion information from the diverting exchange.

It has to be checked that the following signalling information is passed on:

- optional backward call indicators with setting "call diversion may occur" for CFNR, CD(a), CFB(u,e) and CD(i,e)
- generic notification indicator
- call diversion information
- redirection number (Note: altered in gateways)
- redirection number restriction parameter

Note: The following messages can be tested for CFNR, CD(a), CFB(u,e) and CD(i,e):

- ACM with optional backward call indicators with "call diversion may occur"
- CPG with generic notification indicator, call diversion information and redirection number
- CPG alerting (or ANM or CON) with redirection number restriction parameter.

The following messages can be tested for CFU, CFB(n), CFB(u,l), CD(i,l):

- ACM with generic notification indicator, call diversion information and redirection number
- CPG alerting (or ANM or CON) with redirection number restriction parameter.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.2.1 ; 2.5.2.5.1.2 d) /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_12_div_occured			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.CDInf.RnReas:=CFU)	ACM_BA_CDInf_GenNot_ RnNb(cic,TSO_s_bwd(TS P_Nb_D), TSO_s_bwd_NatAdrl())		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB SPD</p> <p>-----IAM-----> -----IAM-----> (-----IAM----->)</p> <p><-----ACM----- <-----ACM----- RnReas, number</p> <p><-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes</p> <p>... ringing tone ...</p> <p><-----ANM----- <-----ANM----- (<-----ANM-----)</p> <p>:</p> <hr/> <p>1. The PTC will provide the necessary stimulus, the test is for RnReas=CFU.</p> <p>2. ACM (no indication) with CDInf, GenNot='call is diverting' and the RnNb.</p> <p>3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM; including BCI.</p>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_9_b

Group : CDIV/

Purpose : To verify that the IUT can successfully pass on in the backward direction (on the leg before the diversion) all the diversion information from the diverting exchange.

It has to be checked that the following signalling information is passed on:

- optional backward call indicators with setting "call diversion may occur" for CFNR, CD(a), CFB(u,e) and CD(i,e)
- generic notification indicator
- call diversion information
- redirection number (Note: altered in gateways)
- redirection number restriction parameter

Note: The following messages can be tested for CFNR, CD(a), CFB(u,e) and CD(i,e):

- ACM with optional backward call indicators with "call diversion may occur"
- CPG with generic notification indicator, call diversion information and redirection number
- CPG alerting (or ANM or CON) with redirection number restriction parameter.

The following messages can be tested for CFU, CFB(n), CFB(u,l), CD(i,l):

- (ACM with generic notification indicator, call diversion information and redirection number
- CPG alerting (or ANM or CON) with redirection number restriction parameter.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.2.1 ; 2.5.2.5.1.2 d) /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_div_mayoccur			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		2.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.CDInf.RnReas:=CFNR)	CPG_BA_CDInf_GenNot_ RnNb(cic,TSO_s_bwd(TS P_Nb_D), TSO_s_bwd_NatAdrl()) CPG_BA_RnNbRes(cic) ANM_BA(cic)		3.
6		LAB! S_CPG			4.
7		+Check_ringing_tone_BA			
8		LAB! S_ANM			
9		+S_REL_etc_BA			
10		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- CDmo, RnReas, number <-----CPG----- <-----CPG----- (-----IAM----->) <-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- (<-----ANM-----) : <hr/> 1. The PTC will provide the necessary stimulus, the test is for RnReas=CFNR. 2. ACM with optional backward call indicator 'call diversion may occur' 3. CPG (progress) with CDInf, GenNot='call is diverting' and the RnNb. 4. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM; including BCI.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_10

Group : CDIV/

Purpose : To verify that the IUT can successfully pass on in both directions (on the leg after the diversion) all the diversion information from the diverting exchange.

It has to be checked that the following signalling information is passed on in the forward direction:

- redirecting number (Note: altered in Gateways)
- original called number (Note: altered in Gateways)
- redirection information

It has to be checked that the following signalling information is passed on in the backward direction:

- redirection number restriction parameter (in ACM /CPG /ANM /CON)

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.2.1 /Q.732

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_10			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb_RgNb (TSO_r_fwd(TSP_Nb_C), TSO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())		
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		2.
5		+S_ANM_etc_BA			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM-----> with RnInf, OriCdNb, RgNb
 <-----ACM----- <-----ACM----- RnNbRes

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----answer----- <-----ANM-----
:

-
1. The stimulus ISUP will initiate a call set up with the expected signalling information.
 2. On the forwarding leg the RnNbRes from user with the number TSP_Nb_B is returned. The Redirection number restriction parameter is set to 'presentation allowed' by default.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_11_a

Group : CDIV/

Purpose	: To verify that the outgoing international gateway checks and manipulates the original called number according to the procedures as defined for CLIP.
----------------	--

Applicable tests:

Discarding the original called number if case of bilateral agreements (PICS A.15/11)

Discarding the original called number, if the address is marked not available

Converting the original called number to international format with transparent transferral of screening indicator and address presentation restricted indicator

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_11_a			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_NO_OriCd Nb	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

•

•

1. The PTC will send an IAM with OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_11_b

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the original called number according to the procedures as defined for CLIP.

Applicable tests:

Discarding the original called number if case of bilateral agreements (PICS A.15/11)

Discarding the original called number, if the address is marked not available

Converting the original called number to international format with transparent transferral of screening indicator and address presentation restricted indicator

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_11_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_NO_OriCd Nb	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with an 'address not available' OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_I_12_11_c

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the original called number according to the procedures as defined for CLIP.

Applicable tests:

Discarding the original called number if case of bilateral agreements (PICS A.15/11)

Discarding the original called number, if the address is marked not available

Converting the original called number to international format with transparent transferral of screening indicator and address presentation restricted indicator

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_11_c			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb(T SO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_12_a

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.
 Applicable tests:
 Discarding the redirecting number if case of bilateral agreements (PICS A.15/12)
 Discarding the redirecting number, if the address is marked not available
 Converting the redirecting number to international format with transparent transferral of screening indicator and address presentation restricted indicator
 Discarding an incomplete redirecting number

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_12_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_NO_RgNb	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with RgNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_12_b

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.
 Applicable tests:
 Discarding the redirecting number if case of bilateral agreements (PICS A.15/12)
 Discarding the redirecting number, if the address is marked not available
 Converting the redirecting number to international format with transparent transferral of screening indicator and address presentation restricted indicator
 Discarding an incomplete redirecting number

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_12_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_NO_RgNb	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with an 'address not available' RgNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_12_c

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.
 Applicable tests:
 Discarding the redirecting number if case of bilateral agreements (PICS A.15/12)
 Discarding the redirecting number, if the address is marked not available
 Converting the redirecting number to international format with transparent transferral of screening indicator and address presentation restricted indicator
 Discarding an incomplete redirecting number

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732; 3.5.2.3 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_12_c			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_RgNb(TSO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with a national significant RgNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_13_a Group : CDIV/ Purpose : To verify that the outgoing international gateway checks and manipulates the redirection number according to the procedures defined for COLP. Tests applicable: Converting the redirection number to national format, if necessary (own country code) Adding a prefix to an international redirection number (PICS A.15/14 – national option @) Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.3 /Q.732 /ETS 300 356–15					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_13_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_CDInf_GenNot_RnNb(cic,TSO_s_bwd(TS_P_Nb_D), TSO_s_bwd_NatAdrl())		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+S_ANM_etc_BA			
7		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD -----IAM-----> -----IAM-----> (-----IAM----->) <-----ACM----- <-----ACM----- RnReas, number <-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----ANM----- <-----ANM----- (<-----ANM-----)
:

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and an international RnNb: TSP_Nb_D with ownCC.
 3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_13_b

Group : CDIV/

Purpose : To verify that the outgoing international gateway checks and manipulates the redirection number and/or the additional redirection number in the generic number according to the procedures defined for COLP.

Tests applicable:

Converting the redirection number to national format, if necessary (own country code)

Adding a prefix to an international redirection number (PICS A.15/14 – national option @)

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.3 /Q.732 /ETS 300 356–15

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_13_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		(TCV_otherCC:=TRUE)			
5		LAB! S_ACM (S_ACM.isup_pdu.RnNb.NatAdrl:=international)	ACM_BA_CDInf_GenNot_RnNb(cic,TSO_s_bwd(TSP_Nb_D), TSO_s_bwd_NatAdrl())		2.
6		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
7		+S_ANM_etc_BA			
8		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB SPD</p> <p>-----IAM-----> -----IAM-----> (-----IAM----->)</p> <p><-----ACM----- <-----ACM----- RnReas, number</p> <p><-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes</p>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...

<-----ANM----- <-----ANM----- (<-----ANM-----)

:

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and an international RnNb: TSP_Nb_D with foreign country code.
 3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_14_a

Group : CDIV/

Purpose : To verify that the incoming international gateway checks and manipulates the original called number according to the procedures as defined for CLIP.

Applicable tests:

Converting the original called number to national format, if necessary (own country code)

Adding a prefix to an international original called number (PICS A.15/15 – national option @)

Handling of address presentation restricted indicator set to "address not available"

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 ; 3.5.2.4 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_14_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb (TSO_r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	2.
4		+S_ACM_etc_BA			

Detailed Comments : SPC International SPA National SPB

-----IAM-----> -----IAM----->

:

1. The stimulus ISUP will initiate a call set up with the expected signalling information.

2. The received IAM should contain an OriCdNb coded as a national (significant) number.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_14_b

Group : CDIV/

Purpose : To verify that the incoming international gateway checks and manipulates the original called number according to the procedures as defined for CLIP.

Applicable tests:

Converting the original called number to national format, if necessary (own country code)

Adding a prefix to an international original called number (PICS A.15/15 – national option @)

Handling of address presentation restricted indicator set to "address not available"

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 ; 3.5.2.4 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_14_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb (TSO_hex_3strcat(TSP_prefix, TSP_foreignCC, TSP_Nb_C), unknown_num)	(P)	2.
4		+S_ACM_etc_BA			

Detailed Comments : SPC International SPA National SPB

-----IAM-----> -----IAM----->

:

1. The stimulus ISUP will initiate a call set up with the expected signalling information.

2. The received IAM should contain an OriCdNb with prefix.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_15_a

Group : CDIV/

Purpose : To verify that the incoming international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.

Applicable tests:

Converting the redirecting number to national format, if necessary (own country code)

Adding a prefix to an international redirecting number (PICS A.15/16 – national option @)

Handling of address presentation restricted indicator set to "address not available"

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 ; 3.5.2.4 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_15_a			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_RgNb(TSO _r_fwd(TSP_Nb_C), TSO_r_fwd_NatAdrl())	(P)	1.
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with RgNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_15_b

Group : CDIV/

Purpose : To verify that the incoming international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.

Applicable tests:

Converting the redirecting number to national format, if necessary (own country code)

Adding a prefix to an international redirecting number (PICS A.15/16 – national option @)

Handling of address presentation restricted indicator set to "address not available"

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 : 3.5.2.4 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_15_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_RgNb(TSO_hex_3strcat(TSP_prefix,TSP_foreignCC,TSP_Nb_B), international)	(P)	1.
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> : ----- 1. The PTC will send an IAM with foreignCC RgNb.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_15_c

Group : CDIV/

Purpose : To verify that the incoming international gateway checks and manipulates the redirecting number according to the procedures as defined for CLIP.

Applicable tests:

Converting the redirecting number to national format, if necessary (own country code)

Adding a prefix to an international redirecting number (PICS A.15/16 – national option @)

Handling of address presentation restricted indicator set to "address not available"

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 ; 3.5.2.4 /Q.731

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_15_c			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_NO_RgNb	(P)	
4		+S_ACM_etc_BA			

Detailed Comments : SPC SPA SPB

-----IAM-----> -----IAM----->

:

1. The PTC will send an IAM with RgNb.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_16_a Group : CDIV/ Purpose : To verify that the incoming international gateway checks and manipulates the redirection number according to the procedures defined for COLP. Tests applicable: Discarding the redirection number in case of bilateral agreements (PICS A.15/13) Converting the redirection number to international format Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.4 /Q.732 /ETS 300 356-15					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_16_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_CDInf_GenNot_RnNb(cic,TSO_s_bwd(TS P_Nb_D), TSO_s_bwd_NatAdrl())		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+S_ANM_etc_BA			
7		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD -----IAM-----> -----IAM-----> (-----IAM----->) <-----ACM----- <-----ACM----- RnReas, number <-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- (<-----ANM-----)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and an national RnNb
 3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_16_b Group : CDIV/ Purpose : To verify that the incoming international gateway checks and manipulates the redirection number according to the procedures defined for COLP. Tests applicable: Discarding the redirection number in case of bilateral agreements (PICS A.15/13) Converting the redirection number to international format Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.4 /Q.732 /ETS 300 356-15					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_16_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_CDInf_GenNot_RnNb(cic,TSO_s_bwd(TS P_Nb_D), TSO_s_bwd_NatAdrl())		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+S_ANM_etc_BA			
7		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD -----IAM-----> -----IAM-----> (-----IAM----->) <-----ACM----- <-----ACM----- RnReas, number <-----CPG----- <-----CPG----- (<-----ACM-----) RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- (<-----ANM-----)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

:

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and a national RnNb.
 3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_17

Group : CDIV/

Purpose	: To verify that the incoming international gateway removes the redirection number restriction parameter if the redirection number has been previously discarded in case of bilateral agreements.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.4 /Q.732 3.5.2.4 /Q.731 /ETS 300 356-15

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_17			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_CDInf_GenNot_RnNb(cic,TSO_s_bwd(TS_P_Nb_D), TSO_s_bwd_NatAdrl())		2.
5		LAB! S_CPG	CPG_BA_RnNbRes(cic)		3.
6		+S_ANM_etc_BA			
7		+G_Verdict_I_PTC			

Detailed Comments :

SPC	SPA	SPB	SPD
-----IAM----->	-----IAM----->	(-----IAM----->)	
<-----ACM-----	<-----ACM-----	RnReas, number	
<-----CPG-----	<-----CPG-----	(<-----ACM-----)	RnNbRes
... ringing tone ...			
<-----ANM-----	<-----ANM-----	(<-----ANM-----)	
:			

1. The PTC will provide the necessary stimulus.

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

2. ACM with CDInf, GenNot='call is diverting' and a national RnNb.
3. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_18 Group : CDIV/ Purpose : To verify that the IUT accepts and can successfully establish a diverted call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CDIV –completion of diverted call at diverted-to exchange")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='010'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic, TSP_Nb_B, TSP_Nb_D, national)		2.
5		+R_ACM_etc_AB			
6		+G_Verdict_A_PTC			
Detailed Comments : <div style="display: flex; justify-content: space-around; margin-top: 10px;"> SPC SPA SPB SPD </div> <pre> <----- setup -----<-----IAM-----<-----IAM-----> RnReas, number -----ACM -----> -----alerting -----> -----ACM-----> (-----CPG----->) RnNbRes : </pre> <hr/> <ol style="list-style-type: none"> 1. The PTC will provide the necessary stimulus. 2. 2 diversions simulated in redirection counter ; Numbers sent: are OriCdNb and RgNb 3. ACM with CDInf, GenNot='call is diverting' and a national RnNb 4. CPG (alerting) with RnNbRes – coded as if it has been mapped from ACM including BCI. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_19 Group : CDIV/ Purpose : To verify that the IUT includes the redirection number restriction indicator in the ACM, CPG, ANM or CON set to "presentation allowed" (COLR not activated). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.1 /Q.732					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CDIV – Setting of redirection number restriction parameter at the diverted-to exchange (pres. allowed)")			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:=’010’B)	IAM_BA_RnInf_OriCdNb_RgNb(cic, TSP_Nb_B, TSP_Nb_D, national)		
5		LAB? R_ACM [R_ACM.isup_pdu.RnNbRes.RnNbResI = allowed]	ACM_AB_RnNbRes(cic)	(P)	1.
6		+R_ANM_etc_AB			
7		LAB? R_ACM	ACM_AB(cic)		
8		LAB? R_CPG [R_CPG.isup_pdu.RnNbRes.RnNbResI = allowed]	CPG_AB_RnNbRes(cic)	(P)	2.
9		+R_ANM_etc_AB			
10		CAB? TONE_IND	R_RINGING_TONE(cic)	(P)	5.
11		A_CP! CM_GO_AHEAD	CM_go_ahead		
12		LAB? R_ANM [R_ANM.isup_pdu.RnNbRes.RnNbResI = allowed]	ANM_AB_RnNbRes(cic)	(P)	3.
13		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		+G_Verdict_A_PTC	CON_AB_RnNbRes(cic)	(P)	4.
15		LAB? R_CON [R_CON.isup_pdu.RnNbRes.RnNbResI = allowed]			
16		+S_REL_etc_BA			
17		+G_Verdict_A_PTC			
<div>Detailed Comments : SPC<div>SPA<div>SPB</div></div></div> <div><----- setup -----<-----IAM----- (Diverted call)</div> <div>-----alerting -----> -----ACM----->RnNbRes (1)</div> <div>:</div> <div>or</div> <div>-----alerting -----> -----ACM-----></div> <div>:</div> <div>-----CPG----->RnNbRes (2)</div> <div>or</div> <div>-----alerting -----> -----ACM-----></div> <div>-----connect -----> -----ANM----->RnNbRes (3)</div> <div>:</div> <div>or</div> <div>-----connect -----> -----CON----->RnNbRes (4)</div> <div>:</div> <div>1.-4. Pass when the redirection number restriction parameter with the coding '00 – Presentation allowed" is received in one of the allowed messages.</div> <div>5. +Check_ringing_tone_AB</div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_20 Group : CDIV/ Purpose : To verify that the IUT includes the redirection number restriction indicator in the ACM, CPG, ANM or CON set to "presentation restricted" (COLR activated). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.1 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the diverted-to user subscribes to the COLR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_r_setup_0 ("CDIV – Setting of redirection number restriction parameter at the diverted-to exchange (pres. restricted)")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='010'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic, TSP_Nb_B, TSP_Nb_D, national)		
5		LAB? R_ACM [R_ACM.isup_pdu.RnNbRes.RnNbResI = restricted]	ACM_AB_RnNbRes(cic)	(P)	2.
6		+R_ANM_etc_AB			
7		LAB? R_ACM	ACM_AB(cic)		
8		LAB? R_CPG [R_CPG.isup_pdu.RnNbRes.RnNbResI = restricted]	CPG_AB_RnNbRes(cic)	(P)	3.
9		+R_ANM_etc_AB			
10		CAB? TONE_IND	R_RINGING_TONE(cic)	(P)	6.
11		A_CP! CM_GO_AHEAD	CM_go_ahead		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_ANM [R_ANM.isup_pdu.RnNbRes.RnNbResI = restricted]	ANM_AB_RnNbRes(cic)	(P)	4.
13		+S_REL_etc_BA			
14		+G_Verdict_A_PTC			
15		LAB? R_CON [R_CON.isup_pdu.RnNbRes.RnNbResI = restricted]	CON_AB_RnNbRes(cic)	(P)	5.
16		+S_REL_etc_BA			
17		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <----- setup -----<-----IAM----- (Diverted call) -----alerting -----> -----ACM----->RnNbRes (2.) : or -----alerting -----> -----ACM-----> : -----CPG----->RnNbRes (3.) or -----alerting -----> -----ACM-----> -----connect -----> -----ANM----->RnNbRes (4.) : or -----connect -----> -----CON----->RnNbRes (5.) </pre> <hr/> <p>1. The left access PTC will assist the call set-up with the expected parameters. 2.-5. Pass when the redirection number restriction parameter with the coding '01 – Presentation restricted' is received in one of the allowed messages. 6. +Check_ringing_tone_AB</p>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_21

Group : CDIV/

Purpose : To verify that the IUT can successfully divert a call which has not been diverted before and set the redirection counter to the correct value.

The call is diverted directly to another exchange; the redirection counter should be set to 1.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 1) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_InitiateCallToBeDiverted			1.
3		LAB? R_IAM [R_IAM.isup_pdu.RnInf.RnCnt='001'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb(T SP_Nb_A, national)	(P)	
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		2.
5		+S_ANM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB

(No diversions) (One diversion)

-----IAM-----> -----IAM----->

:

_____ 1. The PTC will send
an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_22

Group : CDIV/

Purpose : To verify that the IUT can successfully divert a call which has not been diverted before and set the redirection counter to the correct value.

Note: The call is diverted $N \leq 5$ times; the redirection counter should be set to N. (e.g. for the pre-test condition the call is diverted twice: once to the same exchange and then to an external exchange, $N=2$)

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 1) /Q.732

PRE-TEST CONDITIONS :

For $N=2$ arrange the data in the IUT so that called user has activated diversion to another user on the same exchange, and this user at his turn has activated diversion to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_InitiateCallToBeDiverted			1.
3		LAB? R_IAM [R_IAM.isup_pdu.RnInf.RnCnt='010'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb(T SP_Nb_C, national)	(P)	2.
4		+S_ACM_etc_BA			
5		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
6		+S_ANM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB
 (No diversions) (one local diversion) (Two diversions)
 -----IAM-----> -----IAM----->
 : _____ 1. The PTC will send
 an IAM with a national (significant) OriCdNb.
 2. RnCnt = 2 = '010'B expected.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_23 Group : CDIV/ Purpose : To verify that the IUT can successfully divert a call which has already been diverted and increment the redirection counter. Note: The call has been diverted 1 – 4 times. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 b) 1) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(TCV_count0 :=TSP_max_div)			
3		[TSP_max_5_div] (TCV_count0:=5)			
4		+SS_12_23			
5		LAB? R_IAM [R_IAM.isup_pdu.RnInf.RnCnT=INT_TO_BIT(3,TCV_count0)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf	(P)	
6		+S_ACM_etc_BA			
7		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
8		+S_ANM_etc_BA			
Detailed Comments :					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_24

Group : CDIV/

Purpose	: Verify that the IUT sets the address presentation restricted indicator of the original called number according to the "served user releases his/her number to the diverted-to user" option. Note: The redirecting indicator in the redirecting information shall be set to "011 Call diverted".
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 2) /Q.732 2.5.2.5.1.2 b) 6) /ETS 300 356-15

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_InitiateCallToBeDiverted			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.RnInf.Rglc='011'B) AND (R_IAM.isup_pdu.OriCdNb.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_OriCdNb(T SP_Nb_A, national)	(P)	
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			

Detailed Comments : SPC

SPA (IUT)

SPB

(Subscr. Opt. release info)

```
-----IAM-----> -----IAM-----> RnInf.Rglc='011' & OriCdNb.APRI='00'
```

•

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_25

Group : CDIV/

Purpose : Verify that the IUT sets the address presentation restricted indicator of the redirecting number according to the "served user releases his/her number to the diverted-to user" option.

The redirecting indicator in the redirecting information shall be set to "011 Call diverted".

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 4) /Q.732 2.5.2.5.1.2 b) 6) /ETS 300 356-15

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_InitiateCallToBeDiverted			
3		LAB? R_IAM [(R_IAM.isup_pdu.RnInf.Rglc='011'B) AND (R_IAM.isup_pdu.RgNb.APRI=allowed)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_RnInf_RgNb(TSP _Nb_A, national)	(P)	1.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			

Detailed Comments : SPC

SPA (IUT)

SPB

(Subscr. Opt. Do Not release info)

-----IAM-----> -----IAM-----> RnInf.Rglc='100' & RgNb.APRI = '00'

:

_____ 1. The PTC will send
an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_26_a

Group : CDIV/

Purpose : To verify that the IUT can successfully divert a call and that ISDN user part preference indicator received in the forward call indicators with the value "ISDN user part...
...not required all the way" shall be changed to "ISDN user part preferred all the way"
...preferred all the way" shall be left unchanged
...required all the way" shall be left unchanged.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 5) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_26_a			1.
3		LAB? R_IAM [R_IAM.isup_pdu.FCI.IPI=ISUPpreferred] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	2.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB
ISUPnot_required ISUPpreferred
-----IAM-----> -----IAM----->
:

-
1. The PTC will send a call with the expected stimulus to the diverting exchange.
 2. The ISUP preference indicator is checked.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_26_b

Group : CDIV/

Purpose : To verify that the IUT can successfully divert a call and that ISDN user part preference indicator received in the forward call indicators with the value "ISDN user part...
...not required all the way" shall be changed to "ISDN user part preferred all the way"
...preferred all the way" shall be left unchanged
...required all the way" shall be left unchanged.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 5) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_26_b			1.
3		LAB? R_IAM [R_IAM.isup_pdu.FCI.IPI=ISUPpreferred] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	2.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB
 ISUPpreferred ISUPpreferred
 -----IAM-----> -----IAM----->
 :

-
1. The PTC will send a call with the expected stimulus to the diverting exchange.
 2. The ISUP preference indicator is checked.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_26_c

Group : CDIV/

Purpose : To verify that the IUT can successfully divert a call and that ISDN user part preference indicator received in the forward call indicators with the value "ISDN user part...
...not required all the way" shall be changed to "ISDN user part preferred all the way"
...preferred all the way" shall be left unchanged
...required all the way" shall be left unchanged.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 b) 5) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_26_c			1.
3		LAB? R_IAM [R_IAM.isup_pdu.FCI.IPI=ISUPrequired] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	2.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			

Detailed Comments : SPC SPA (IUT) SPB

ISUPrequired ISUPrequired

-----IAM-----> -----IAM----->

:

1. The PTC will send a call with the expected stimulus to the diverting exchange.

2. The ISUP preference indicator is checked.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_27 Group : CDIV/ Purpose : To verify that the IUT includes an optional backward call indicator with the indication "call diversion may occur" in the ACM in case of CFNR, CD(a), CFB(u,e) and CD(i,e) Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) ii) ; iii) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated the appropriate diversion service to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_27			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			
6		+G_Verdict_I_PTC			2.
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- CDmo <-----CPG----- IAM-----> <-----CPG----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- : : :					
1. The stimulus ISUP will initiate a call set up to diverting user at IUT and expect to receive the indication 'call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

diversion may occur'.

2. Verdict is set by checking status on left PTC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_28_a Group : CDIV/ Purpose : To verify that a call may be answered by the served user and that no signalling occurs on the diverted-to user leg if the call is answered before timeout of timer TCFNR, in case of CFNR Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) ii) ; Table 2-2 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated the CFNR service with diversion towards SPB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_28_i			1.
3		+SS_12_28_a			
4		START TCFNRmax			
5		?TIMEOUT TCFNRmax		(P)	2.
6		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- CDmo <-----ANM----- : 1. The stimulus ISUP will initiate a call set up to diverting user at IUT and expect to receive the indication 'call diversion may occur'. 2. Pass if no signalling is observed on the AB link.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_28_b

Group : CDIV/

Purpose : To verify that a call may be answered by the served user and that no signalling occurs on the diverted-to user leg if the call is answered before timeout of Timer TCFNR, in case of CFNR

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 c) ii) ; Table 2-2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated the CFNR service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_InitiateCallToBeDiverted			1.
3		START TCFNRmin, START TCFNRmax			2.
4		?TIMEOUT TCFNRmin			
5		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC) CANCEL TCFNRmax	IAM_AB	(P)	3.
6		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
7		+S_ANM_etc_BA			
8		?TIMEOUT TCFNRmax		F	

Detailed Comments : SPC SPA SPB

```

      -----IAM----->
<-----ACM----- CDmo
                TCFNR expiry
<-----CPG-----IAM----->
<-----CPG----- <-----ACM-----
                ... ringing tone ...

```

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----answer----- <-----ANM-----
:

1. The stimulus ISUP will initiate a call set up to diverting user at IUT and expect to receive the indication 'call diversion may occur' .
2. Window for receiving the forwarding call is created.
3. Pass if IAM i s received inside window.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_29 Group : CDIV/ Purpose : To verify that the IUT can successfully divert a call and that the incoming circuit is connected to the chosen outgoing circuit immediately, in case of CFU, CFB, CD(i), CFNR(B) and CD(a,B). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) i) ; ii) ; iii) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated the appropriate diversion service to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_29			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		+Check_communication			2.
5		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
6		+S_ANM_etc_BA			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> <-ACM{CDmo/NoInd}-- -----IAM-----> (with RnInf, OriCdNb, RgNb) Check both_way communication <-----CPG----- <-----ACM----- RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- : </pre> <hr/> 1. The stimulus ISUP will initiate a call set up with the expected signalling information. 2. The incoming circuit should be connected to outgoing circuit in both directions immediately.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_30 Group : CDIV/ Purpose : To verify that the IUT through-connects in the backward direction (incoming circuit) after receiving the alerting indication and in the forward direction (outgoing circuit) after receiving the answer (connect) indication, in case of CFNR(A) and CD(a,A). Note: The IUT can through-connect in both directions after receiving the alerting indication. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) ii) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated the appropriate diversion service to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_30			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		+Check_NO_communication			2.
5		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
6		+S_ANM_etc_BA			3.
7		+G_Verdict_I_PTC			
8		Check_NO_communication CAB! TONE_REQ	S_COMM_TONE(cic)		
Detailed Comments : SPC SPA SPB -----IAM-----> <--ACM {CDmo/NoInd}-- -----IAM-----> Check that there is no through-connection <-----CPG----- <-----ACM----- (RnNbRes)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

Check that there is through-connection backward direction (e.g. .. ringing tone ...)

<-----ANM----- <-----ANM-----

Check that there is through-connection in both directions

:

-
1. The stimulus ISUP will initiate a call set up with the expected signalling information.
 2. Will disrupt the call handling and cause failure if received unexpectedly at left PTC.
 3. Steps checks backward through-connection in backward direction before ANM and two-way communication after ANM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_31 Group : CDIV/ Purpose : To verify that the IUT allows the served user to answer the call after the IAM has been sent to the diverted-to exchange, in case of CFNR(A) and CD(a,A). The served user shall be allowed to answer the call after ACM (no indication) has been received (but prior to alerting) and the connection towards the diverted-to exchange shall be released. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) ii) ; /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CFNR(A) or CD(a,A) to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_31_i			1.
3		+SS_12_31_a			2.
4		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC) CANCEL TCFNRmax	IAM_AB		
5		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd, S_ACM.isup_pdu.OBCI.CDmo:='1'B)	ACM_BA_OBCI(cic)		3.
6		LAB? R_REL	REL_AB(cic)	(P)	4.
7		LAB! S_RLC	RLC_BA(cic)		
8		+G_Verdict_I_PTC			5.
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- CDmo					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

TCFNR expiry
-----IAM----->
<---ACM (NoInd)-----
Served user answers
<-----ANM-----REL----->
: <-----RLC-----

-
1. The stimulus ISUP will initiate a call set up to diverting user at IUT .
 2. The stimulus access will assist the call set up at the served user side.
 3. ACM with no indication as if another diversion may occur in order to give time to the user at UNI at SPA to answer the call.
 4. Call on forwarding leg is released.
 5. Successful call set up carried out by the PTC.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_32 Group : CDIV/ Purpose : To verify that, if the IUT receives a release indication with cause "user busy" from the diverted-to exchange, it continues to provide ringing tone to the calling user until he releases the connection (or timer T9 in the controlling exchange expires), in case of CFNR(A) and CD(a,A). Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) ii) ; /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CFNR(A) or CD(a,A) to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_32_i			1.
3		+SS_12_32_a			2.
4		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
5		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17)	REL_BA(cic)		3.
6		LAB? R_RLC	RLC_AB(cic)		
7		A_CP! CM_GO_AHEAD	CM_go_ahead		
8		I_CP? CM_GO_AHEAD	CM_go_ahead	P	
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> <-----ACM----- CDmo TCFNR expiry -----IAM-----> <-----REL ----- busy -----RLC-----> ...ringing tone... </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

T9

-----REL----->

<-----RLC-----

-
1. The stimulus ISUP will initiate a call set up to the diverting user at IUT and check ringing tone
 2. The stimulus access is mainly responsible for generating the ringing tone.
 3. Release with cause #17.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_33

Group : CDIV/

Purpose	: To verify that, if the IUT receives a release indication with cause "user busy" from the diverted-to exchange, it releases the call (incoming circuit) and the resources, in case of CFU, CFB, CD(i), CFNR(B) and CD(a,B).
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.1 c) iii) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFU, CFB, CD(i), CFNR(B) or CD(a,B) to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_33			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17)	REL_BA(cic)		2.
5		LAB? R_RLC	RLC_AB(cic)		
6		+G_Verdict_I_PTC			

Detailed Comments : SPC SPA SPB

```

-----IAM----->
<-----ACM----- Diverting
                      -----IAM----->
(<-----CPG-----) for CFB(u,e), CD(i,e)
                      -----IAM----->
<-----REL----- <-----REL ----- busy
-----RLC-----> -----RLC----->

```

1. The stimulus ISUP will initiate a call set up to the diverting user at IUT and check the release of resources.
2. Release the call with cause #17, location 'user'.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_34

Group : CDIV/

Purpose	: To verify that the IUT can successfully divert a call and store the diversion information parameters in the backward direction until an alerting indication is received from the diverted-to exchanges, in case of CFNR(A) and CD(a,A). The IUT shall be able to receive several CPG messages with call diversion information and shall retain the most recent redirection reason and the most severe notification subscription option.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 e) i) 2) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFNR(A) or CD(a,A) to an external exchange and that the NSO are not restrictive.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_34			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.CDInf.RnReas:=CFU, S_ACM.isup_pdu.CDInf.NSO:='011'B)	ACM_BA_CDInf_GenNot_ RnNb(cic, TSP_Nb_D, national)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress)	CPG_BA_RnNbRes(cic)		3.
6		LAB! S_CPG (S_CPG.isup_pdu.RnNbRes.RnNbResI:='01'B)	CPG_BA_RnNbRes(cic)		4.
7		+S_ANM_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD CFNR (NSO=010) CFU (NSO=011) COLR activated -----IAM-----> <-----ACM----- -----IAM----->					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

CDmo      <-----ACM----- (-----IAM----->)
          NoInd, RnReas=CFU, Nb_D
          <-----CPG-----
          progress, RnNbRes=00
<-----CPG----- <-----CPG----- (<-----ACM-----)
                  RnNbRes=01, alerting   RnNbRes=01, subscriber free
                  ... ringing tone ...
<-----ANM----- <-----ANM----- (<-----ANM-----)
:

```

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and RnNb=TSP_Nb_D.
 3. CPG (progress) with RnNbRes=00 from user at UNI SPB (no COLR activated).
 4. CPG (alerting) with RnNbRes=01 from user at UNI SPD (COLR activated) – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_35 Group : CDIV/ Purpose : To verify that the IUT can successfully divert a call and pass on in the backward direction the diversion information parameters received from the diverted-to exchanges, in case of CFU, CFB, CD(i), CFNR(B) and CD(a,B). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 e) i) 1) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CFU, CFB, CD(i), CFNR(B) or CD(a,B) to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_35			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.CDInf.RnReas:=CFU, S_ACM.isup_pdu.CDInf.NSO:='011'B)	ACM_BA_CDInf_GenNot_RnNb(cic, TSP_Nb_D, national)		2.
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress)	CPG_BA_RnNbRes(cic)		3.
6		LAB! S_CPG (S_CPG.isup_pdu.RnNbRes.RnNbResI:='01'B)	CPG_BA_RnNbRes(cic)		4.
7		+S_ANM_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB SPD CDIV (NSO=010) CFU (NSO=011) COLR activated <pre> -----IAM-----> <-----ACM----- -----IAM-----> (<-----CPG-----) CFB(u,e), CD(i,e) <-----CPG----- <-----ACM----- (-----IAM----->) </pre>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                NoInd, RnReas=CFU, Nb_D
<-----CPG----- <-----CPG-----
                                progress, RnNbRes=00
<-----CPG----- <-----CPG----- (<-----ACM-----)
                                RnNbRes=01, alerting    RnNbRes=01, subscriber free
                                ... ringing tone ...
<-----ANM----- <-----ANM----- (<-----ANM-----)
:
```

-
1. The PTC will provide the necessary stimulus.
 2. ACM with CDInf, GenNot='call is diverting' and RnNb=TSP_Nb_D.
 3. CPG (progress) with RnNbRes=00 from user at UNI SPB (no COLR activated).
 4. CPG (alerting) with RnNbRes=01 from user at UNI SPD (COLR activated) – coded as if it has been mapped from ACM including BCI.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_36

Group : CDIV/

Purpose	: To verify that the IUT can successfully divert a call and map a received CON from the forwarding leg to a CPG (alerting), followed by an ANM on the preceding leg in case of CFNR(A) or CD(a,A).
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.1.2 e i) /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFNR(A) or CD(a,A) to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_36			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_CON	CON_BA_RnNbRes(cic)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			

Detailed Comments : SPC

SPA

SPB

-----IAM----->

<-----ACM {CDmo} --

\leftarrow CPG {diverting}-----IAM----- \rightarrow In case of CFNR(A), CD(a,A)

<---CPG (alerting)----- <-----CON----- RnNbRes

<-----ANM----->

•

1. The stimulus ISUP will initiate a call set up with the expected signalling information.
2. The incoming circuit should be connected to outgoing circuit in both directions immediately.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_37 Group : CDIV/ Purpose : To verify that the IUT can successfully divert a call and map a received CON from the forwarding leg to an ANM on the preceding leg, in case of CFU, CFB, CD(i), CFNR(B) or CD(a,B). Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 e i) /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CFU, CFB, CD(i), CFNR(B) or CD(a,B) to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_37			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_CON	CON_BA_RnNbRes(cic)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB <pre> -----IAM-----> <--CPG {diverting} ---- <-----IAM-----> In case of CFB(n), CFB(u,l), CFU, CD(i,l) or <-----ACM {CDmo}---- <--CPG {diverting} ---- <-----IAM-----> In case of CFB(u,e), CFNR(B), CD(a,B), CD(i,e) <-----ANM----- <-----CON----- RnNbRes : </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The stimulus ISUP will initiate a call set up with the expected signalling information.
2. The incoming circuit should be connected to outgoing circuit in both directions immediately.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_38 Group : CDIV/ Purpose : To verify that the IUT can divert a call and release the resources upon T7 timer expiry, if no ACM is received from the forwarded-to exchange. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.1.1.1 e) ; Table A1 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_38			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC) START T7min, START T7max	IAM_AB		
4		?TIMEOUT T7min			
5		LAB? R_REL CANCEL T7max	REL_AB(cic)	(P)	
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_I_PTC			2.
8		?TIMEOUT T7max		F	
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- CDmo <-----CPG----- IAM-----> T7					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<-----REL----- -----REL----->
-----RLC-----> <-----RLC-----

1. The stimulus ISUP will initiate a call set up to diverting user at IUT and expect to receive the indication 'call diversion may occur' .
2. Verdict is set by checking status on left PTC together with the receipt of the REL message.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_39 Group : CDIV/ Purpose : To verify that the IUT can divert a call and release the resources upon T9 timer expiry, if no ANM is received from the forwarded-to exchange Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.1.4.6 b) ; Table A1 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_39			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM START T9min, START T9max	ACM_BA(cic)		2.
5		?TIMEOUT T9min			
6		LAB? R_REL CANCEL T9max	REL_AB(cic)	(P)	
7		LAB! S_RLC	RLC_BA(cic)		
8		+G_Verdict_I_PTC			3.
9		?TIMEOUT T9max		F	
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- CDmo <-----CPG----- IAM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----CPG----- <-----ACM-----  
                    |  
                    | T9  
<-----REL-----REL----->  
-----RLC-----> <-----RLC-----
```

1. The stimulus ISUP will initiate a call set up to diverting user at IUT and expect to receive the indication 'call diversion may occur'.
2. ACM subscriber free.
3. Verdict is set by checking status on left PTC together with the receipt of the REL message.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_40_a

Group : CDIV/

Purpose	: To verify that the IUT will refuse any further external diversions and clear the call, if it is received with the redirection counter in the redirection information set to the maximum value, in case of CFU. The cause values shall be "call rejected" (21)
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFU to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_R)			
3		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='101'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
4		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_21]	REL_AB(cic)		2.
5		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPA SPB

<-----IAM----->

-----REL----->

<-----RLC-----

1. IAM with Redirection

counter set to 5 (or TSP_max div if not equal 5).

2. Call rejected – Cause #21 for CFU.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_40_b

Group : CDIV/

Purpose	: To verify that the IUT will refuse any further external diversions and clear the call, if it is received with the redirection counter in the redirection information set to the maximum value, in case of CFB. The cause values shall be "user busy" (17) .
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFB to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_R)			
3		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='101'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
4		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_17]	REL_AB(cic)		2.
5		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPA SPB

<-----IAM----->

-----REL----->

<-----RLC----->

1. IAM with Redirection

counter set to 5 (or TSP_max div if not equal 5).

2. User busy – Cause #17 for CFB.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_40_c

Group : CDIV/

Purpose : To verify that the IUT will refuse any further external diversions and clear the call, if it is received with the redirection counter in the redirection information set to the maximum value, in case of CD(i)
The cause values shall be "no user responding" (18)

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CD(i) to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_R)			
3		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCntr:=101'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
4		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_18]	REL_AB(cic)		2.
5		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPA

SPB

<-----IAM-----

-----REL----->

<-----RLC-----

1. IAM with Redirection

counter set to 5 (or TSP_max_div if not equal 5).

2. No user responding – Cause #18 for CD(i).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_40_d

Group : CDIV/

Purpose	: To verify that the IUT will refuse any further external diversions and clear the call, if it is received with the redirection counter in the redirection information set to the maximum value, in case of CD(a,B). The cause values shall be "no user responding" (18)
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CD(a,B) to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_R)			
3		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:=’101’B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
4		LAB? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=subsfree]	ACM_AB(cic)		
5		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_18]	REL_AB(cic)		2.
6		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPA SPB

<-----IAM----->

-----ACM-----

-----REL----->

<-----RLC----->

1. IAM with Redirection

counter set to 5 (or TSP_max_div if not equal 5).

2. No user responding – Cause #18 for CD(a,B).

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_40_e

Group : CDIV/

Purpose	: To verify that the IUT will refuse any further external diversions and clear the call, if it is received with the redirection counter in the redirection information set to the maximum value, in case of CFNR(B). The cause values shall be "no answer from user (user alerted)" (19).
----------------	--

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.5.2.2 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated CFNR(B) to an external exchange.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_R)			
3		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:=’101’B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
4		LAB? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=subsfree]	ACM_AB(cic)		
5		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_19]	REL_AB(cic)		2.
6		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPA SPB

<-----IAM----->

-----ACM-----

-----REL----->

<-----RLC----->

1. IAM with Redirection

counter set to 5 (or TSP_max_div if not equal 5).

2. No answer from user (user alerted) – Cause #19 for CFNR(B).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_41_a Group : CDIV/ Purpose : To verify that the IUT will refuse any further (external or internal) diversions and continue providing ringing tone until the calling user clears the call (or timer T9 in OLE expires), if it is received with the redirection counter in the redirection information set to the maximum value, in case of CFNR(A). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.2.2 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CFNR(A) to the option A exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_41_a			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='101'B) START T9min	IAM_BA_RnInf_OriCdNb_ RgNb(cic,TSP_Nb_D,TSP _Nb_B, national)		1.
5		LAB? R_ACM [R_ACM.isup_pdu.BCl.CdPSI=subsfree]	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		?TIMEOUT T9min			2.
8		LAB! S_REL	REL_BA(cic)		3.
9		LAB? R_RLC	RLC_AB(cic)	(P)	
10		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...|
T9

.....ringing tone.....

<-----REL-----
-----RLC----->

1. IAM with Redirection

counter set to 5 (or TSP_max_div if not equal 5).

2. This timer simulates T9 at the controlling exchange.

3. Release the call with cause 16 – Normal call clearing (default).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_41_b Group : CDIV/ Purpose : To verify that the IUT will refuse any further (external or internal) diversions and continue providing ringing tone until the calling user clears the call (or timer T9 in OLE expires), if it is received with the redirection counter in the redirection information set to the maximum value, in case of CD(a,A). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.2.2 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated CD(a,A) to the option A exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_41_b			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.RnInf.RnCnt:='101'B)	IAM_BA_RnInf_OriCdNb_RgNb(cic,TSP_Nb_D,TSP_Nb_B, national)		1.
5		LAB? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=subsfree]	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB! S_REL	REL_BA(cic)	(P)	2.
8		LAB? R_RLC	RLC_AB(cic)	(P)	
9		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM-----> <-----ACM-----> ringing tone.....					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

T9

<-----REL-----
-----RLC----->

1. IAM with Redirection

counter set to 5 (or TSP_max_div if not equal 5).

2. Release the call with cause 16 – Normal call clearing (default).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_42 Group : CDIV/ Purpose : To verify that the IUT can successfully divert a call and set the required propagation delay value on the outgoing circuit correctly. The value should be set to the received value plus the propagation delay for the outgoing route, as if the IUT was an intermediate exchange. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1.2 c) /Q.732 ; 2.6 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_42			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC, TCV_PDC:=R_IAM.isup_pdu.PDC.PDC_field)	IAM_AB_PDC		
4		[TCV_PDC=TSO_INT_TO_OCT(TSP_PDC_X+TSP_PDC_D)]		(P)	2.
5		LAB! S_ACM	ACM_BA(cic)		
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA_CHInf(cic, TCV_PDC)		3.
8		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM(PDC=X)-----> <--ACM {CDmo/NoInd}-- -----IAM(PDC=X+D)---> (with RnInf, OriCdNb, RgNb) <-----CPG----- <-----ACM----- RnNbRes ... ringing tone ... <-----ANM----- <--ANM(CHInf=X+D)---					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**:
:
:

-
1. The stimulus IAM contains an initial propagation delay value of X ms.
 2. The received IAM should contain a propagation delay value increased by D ms.
 3. Send an ANM with Call history information.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_43_a Group : CDIV/ Purpose : To verify that the connected number and the additional connected number in the generic number received in an ANM or CON message are passed on unmodified at a diverting exchange. Note: The CON will be mapped to an ANM. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.3 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_43_a			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA_ConNb_GenNb_AdSg(cic,TSP_Nb_B_default,TSP_GenNb_B,national)		2.
7		+S_REL_etc_BA			
8		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> <-ACM{CDmo/NoInd}-- -----IAM-----> (with RnInf, OriCdNb, RgNb) <-----CPG----- <-----ACM----- RnNbRes					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----ANM----- <-----ANM----- ConNb, addConNb in GenNb
:

-
1. The stimulus ISUP will initiate a call set up with the expected signalling information.
 2. Send the ConNb and addConNb in GenNb from user at SPB.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_43_b Group : CDIV/ Purpose : To verify that the connected number and the additional connected number in the generic number received in an ANM or CON message are passed on unmodified at a diverting exchange. Note: The CON will be mapped to an ANM. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.3 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_43_b			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_CON	CON_BA_ConNb_GenNb_AdSg(cic,TSP_Nb_B_default,TSP_GenNb_B,national)		2.
5		+S_REL_etc_BA			
6		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> <-ACM{CDmo/NoInd}-- -----IAM-----> (with RnInf, OriCdNb, RgNb) <-----ANM----- <-----CON----- RnNbRes, ConNb, addConNb in GenNb :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The stimulus ISUP will initiate a call set up with the expected signalling information.
2. Send the ConNb and addConNb in GenNb from user at SPB.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_44 Group : CDIV/ Purpose : To verify that the diverting exchange diverts the calling party number and the additional calling number in the generic number. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.5 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_44			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CgPN_GenNb	(P)	1.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> <-ACM{CDmo/NoInd}-- -----IAM-----> (with RnInf, OriCdNb, RgNb) <-----CPG----- <-----ACM----- RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- : ----- 1. The stimulus ISUP will initiate a call set up with CgPN and addCgPN in GenNb. Note for the selection: Called party has to subscribe to CLIP, although diverted-to user beneficiaries of the information.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_45 Group : CDIV/ Purpose : To verify that a CUG call with outgoing access not allowed to a non-CUG user who has activated diversion is not forwarded. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.7 /Q.732 PRE-TEST CONDITIONS : Called user has subscribed to a call diversion service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_A_no_setup ("CUG call, outgoing access not allowed; non-CUG called user")			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_BA_CdPN_OFCI_CU GIC(cic, TSP_Nb_A)		2.
5		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_87]	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <----IAM (CUG)----- (-OA) -----REL(#87)-----> <-----RLC----->					
1. No call set up should be observed on the access side. 2. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, outgoing access not allowed'. 3. REL with cause #87 "User not member of CUG". See also CUG test case ISS_V_7_14					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_46

Group : CDIV/

Purpose	: To verify that a CUG call with outgoing access not allowed to a CUG member who has activated diversion is successful and that the CUG restrictions are forwarded.
----------------	---

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.6.7 /Q.732

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that called user has activated diversion to an external exchange and has subscribed to CUG.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_46			1.
3		LAB? R_IAM [R_IAM.isup_pdu.OFCI.CUGCI='11'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_OFCI_CUGIC	(P)	2.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+S_ANM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM (CUG)-----> -----IAM (CUG)-----> (-OA) : <hr/> 1. Initiate a CUG call set up from SPC specifying a CUG interlock code. The CUG call is with outgoing access not allowed. 2. CUGCI set to 'CUG call, outgoing access not allowed'.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_47 Group : CDIV/ Purpose : To verify that the IUT does not divert the called party sub-address. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.17 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_47_48			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN(TSP_Sub_A)	(F)	2.
4		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_NO_ATP	(P)	3.
5		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
6		+Check_ringing_tone_BA			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN(TSP_Sub_B)	(P)	4.
10		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
11		+Check_ringing_tone_BA			
12		LAB! S_ANM	ANM_BA(cic)		
13		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : SPC

SPA

SPB

-----IAM----->

<-ACM{CDmo/NoInd}-- -----IAM----->with RnInf, OriCdNb, RgNb

<-----CPG----- <-----ACM----- RnNbRes

... ringing tone ...

<-----ANM----- <-----ANM-----

:

-
1. The stimulus ISUP will initiate a call set up with a called party sub-address.
 2. If IUT diverts the called party sub-address it's a 'fail'.
 3. If the IUT does not divert a sub-address in the ATP it's a 'pass'.
 4. IF the IUT changed the called party sub-address from TSP_Sub_A to TSP_Sub_B it's a 'pass'.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_12_48 Group : CDIV/ Purpose : To verify that a new called party sub-address corresponding to the diverted-to user shall be provided by the served user at call diversion activation and shall be included in the access transport parameter in the IAM sent on the diverted leg. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.17 /Q.732 PRE-TEST CONDITIONS : Arrange the data in the IUT so that called user has activated diversion to an external exchange and has subscribed to SUB.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_47_48			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN(TSP _Sub_B)	(P)	2.
4		LAB! S_ACM	ACM_BA_RnNbRes(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> <-ACM{CDmo/NoInd}-- -----IAM----->with RnInf, OriCdNb, RgNb <-----CPG----- <-----ACM----- RnNbRes ... ringing tone ... <-----ANM----- <-----ANM----- :					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. The stimulus ISUP will initiate a call set up with a called party sub-address.
2. The IUT changed the called party sub-address from TSP_Sub_A to TSP_Sub_B.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_49_a

Group : CDIV/

Purpose	: To verify that the IUT is able to handle the call to other signalling systems according to the basic call procedures. If the ISDN user part preference indicator in the forward call indicators is set to "ISDN user part...: ...not required all the way' (01) then the call should be diverted ...preferred all the way' (00) then the call should be diverted ...required all the way' (10) then the call should be rejected /released.
----------------	---

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.7 /Q.732; 2.1.1.1 /Q.764

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the called user has activated diversion with a diverted-to number which is to be routed to another signalling system (TSP_Nb_C_Non_ISUP).

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_49			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:='01'B)	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		+R_ACM_etc_AB			3.

Detailed Comments : SPC				non-ISUP	SPA	SPB
-------------------------	--	--	--	----------	-----	-----

$$\begin{array}{ccc} & \text{---IAI---} & < \text{---IAM---} \\ & \text{---ACM---} & > \text{---ACM---} \\ & \text{---ANC---} & > \text{---ANM---} \\ & \vdots & \end{array}$$

1. Assist a call set up from the UNI at SPB on a non-ISUP route.
2. Initiate a call set up specifying "ISDN user part not required all the way" in the FCI of the IAM.

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. The call should complete.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_49_b

Group : CDIV/

Purpose	: To verify that the IUT is able to handle the call to other signalling systems according to the basic call procedures. If the ISDN user part preference indicator in the forward call indicators is set to "ISDN user part...: ...not required all the way' (01) then the call should be diverted ...preferred all the way' (00) then the call should be diverted ...required all the way' (10) then the call should be rejected /released.
----------------	---

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.7 /Q.732; 2.1.1.1 /Q.764

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the called user has activated diversion with a diverted-to number which is to be routed to another signalling system (TSP_Nb_C_Non_ISUP).

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_12_49			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:='00'B)	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		+R_ACM_etc_AB			3.

Detailed Comments :	SPC	non-ISUP	SPA	SPB
	<-----IAI-----		<-----IAM-----	
	-----ACM----->		-----ACM----->	
	-----ANC----->		-----ANM----->	
	.			

1. Assist a call set up from the UNI at SPB on a non-ISUP route.
2. Initiate a call set up specifying "ISDN user part preferred all the way" in the FCI of the IAM.

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. The call should complete.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_12_49_c

Group : CDIV/

Purpose	: To verify that the IUT is able to handle the call to other signalling systems according to the basic call procedures. If the ISDN user part preference indicator in the forward call indicators is set to "ISDN user part...: ...not required all the way' (01) then the call should be diverted ...preferred all the way' (00) then the call should be diverted ...required all the way' (10) then the call should be rejected /released.
----------------	---

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.7 /Q.732; 2.1.1.1 /Q.764

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the called user has activated diversion with a diverted-to number which is to be routed to another signalling system (TSP_Nb_C_Non_ISUP).

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+G_T_no_setup("Diversion to non-ISUP destination should not succeed")			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:= '10'B)	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		LAB? R_REL	REL_AB(cic)	(P)	3.
6		LAB! S_RLC	RLC_BA(cic)	(P)	
Detailed Comments : SPC non-ISUP SPA SPB <div style="margin-left: 200px;"> <-----IAM----- -----REL-----> <-----RLC----- </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Assist a call set up from the UNI at SPB on a non-ISUP route.
2. Initiate a call set up specifying "ISDN user part required all the way' in the FCI of the IAM.
3. The call should be released.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_1 Group : HOLD/ Purpose : To verify that a call can be placed on hold and can be retrieved again by the local user and that notifications are sent with CPG messages having the event indicator set to "progress". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1.1; 2.5.2.1.1.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Call hold service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_1			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	1.
10		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AB_GenNot(cic)	(P)	2.
11		I_CP? CM_GO_AHEAD	CM_go_ahead		
12		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup----- <-----IAM----- -----alert-----> -----ACM-----> ... ringing tone ... -----conn-----> -----ANM-----> ... check communication ... -----hold-----> -----CPG-----> -----retrieve-----> -----CPG-----> ... check communication ... : </pre> <hr/> <p>1. The call is put on HOLD by the called party. 2. The call is retrieved by the called party.</p>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_13_2

Group : HOLD/

Purpose : To verify that a call can be placed on hold and can be retrieved again by the remote user and that notifications are sent with CPG messages.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.1.1.1; 2.5.2.1.1.2 /Q.733

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_2			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		1.
10		+Wait_T_WAIT			
11		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_BA_GenNot(cic)		2.
12		+S_REL_etc_BA			
13		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
... check communication ...
<-----hold----- <-----CPG----- .
<-----retrieve----- <-----CPG-----
... check communication ...
:

-
1. The call is put on HOLD by the remote user.
 2. The call is retrieved by the remote user.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_3 Group : HOLD/ Purpose : To verify that an outgoing call can be placed on HOLD after alerting has commenced and can be retrieved afterwards by the local user and that notifications are sent with CPG messages. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.2.1; 2.5.2.1.1.1; 2.5.2.1.1.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Call hold service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_3			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	
7		I_CP? CM_GO_AHEAD	CM_go_ahead		
8		LAB! S_ANM	ANM_BA(cic)		
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AB_GenNot(cic)	(P)	
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
-----setup-----> -----IAM----->
<-----alert----- <-----ACM-----
... ringing tone ...
-----hold-----> -----CPG----->
<----- answer----- <-----ANM-----
-----retrieve-----> -----CPG----->
... check communication ...
:

Test Case Dynamic Behaviour

Test Case Name : ISS_V_13_4

Group : HOLD/

Purpose : To verify that a held call is released if it is not answered before expiry of T9 (waiting for ANM).

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.2.1; 2.9 /Q.733

PRE-TEST CONDITIONS :

Arrange the data in the IUT so that the local user subscribes to the Call hold service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_4			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM START T9min, START T9max	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_CPG (R_CPG.isup_pdu.EvInf.EventId:=progress, R_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_AB_GenNot(cic)		1.
7		?TIMEOUT T9min			
8		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_19] CANCEL T9max	REL_AB(cic)	(P)	2.
9		LAB! S_RLC	RLC_BA(cic)	(P)	
10		+G_Verdict_A_PTC			
11		?TIMEOUT T9max		(F)	
12		LAB! S_REL	REL_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_RLC	RLC_AB(cic)	(F)	
14		+G_Verdict_A_PTC			
15		LAB? R_REL CANCEL T9min, CANCEL T9max	REL_AB(cic)	(F)	
16		LAB! S_RLC	RLC_BA(cic)	(F)	
17		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... ringing tone ... -----hold-----> -----CPG-----> <-----disc----- <-----REL-----> <-----RLC----- : <hr/> 1. Call HOLD received. 2. Cause #19: No answer from user (user alerted).					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_5 Group : HOLD/ Purpose : To verify that an outgoing call can be placed on hold and can be retrieved afterwards by the local user and that notifications are sent with CPG messages. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.2.1; 2.5.2.1.1.1; 2.5.2.1.1.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Call hold service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_5			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	
5		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AB_GenNot(cic)	(P)	
6		I_CP? CM_GO_AHEAD	CM_go_ahead		
7		LAB! S_ACM	ACM_BA(cic)		
8		+Check_ringing_tone_AB			
9		LAB! S_ANM	ANM_BA(cic)		
10		+Check_communication			
11		+S_REL_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> -----hold-----> -----CPG-----> . -----retrieve-----> -----CPG-----> ... check communication ... <-----alert----- <-----ACM----- ... ringing tone ... <-----conn----- <-----ANM----- ... check communication ... : <hr/>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_6_a Group : HOLD/ Purpose : To verify that a transit call can be placed on hold and can be retrieved again by the served user (called or calling party) and that the indications are passed on transparently. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.2.1; 2.5.2.3.1; 2.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_6_a			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	1
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AB_GenNot(cic)	(P)	2.
10		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... <-----ANM----- <-----ANM----- ... check communication ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----CPG-----> -----CPG-----> hold
-----CPG-----> -----CPG-----> retrieve
... check communication ...

:

-
1. The call is put on HOLD by the calling user.
 2. The call is retrieved by the calling user.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_6_b Group : HOLD/ Purpose : To verify that a transit call can be placed on hold and can be retrieved again by the served user (called or calling party) and that the indications are passed on transparently. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.2.1; 2.5.2.3.1; 2.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_6_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress,S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		1.
9		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress,S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_BA_GenNot(cic)		2.
10		+S_REL_etc_BA			
11		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----ANM----- <-----ANM-----
... check communication ...
<-----CPG----- <-----CPG----- hold
<-----CPG-- <-----CPG----- retrieve
... check communication ...
:

-
1. The call is put on HOLD by the called party.
 2. The call is retrieved by the called party.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_7_a Group : HOLD/ Purpose : To verify that a transit call can be placed on hold after alerting has commenced at the called party and can be retrieved afterwards and that the indications are passed on transparently by the IUT. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.2.2; 2.5.2.2.1; 2.5.2.3.1; 2.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_7_a			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	1.
7		LAB! S_ANM	ANM_BA(cic)		
8		+Check_communication			
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AB_GenNot(cic)	(P)	2.
10		+S_REL_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... ringing tone ... -----CPG-----> -----CPG-----> hold <-----ANM----- <-----ANM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... check communication ...
-----CPG-----> -----CPG-----> retrieve
... check communication ...
:

-
1. The call is put on HOLD by the calling party.
 2. The call is retrieved by the calling party.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_7_b Group : HOLD/ Purpose : To verify that a transit call can be placed on hold after alerting has commenced at the called party and can be retrieved afterwards and that the indications are passed on transparently by the IUT. Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.2.2; 2.5.2.2.1; 2.5.2.3.1; 2.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_7_b			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		1.
7		LAB! S_ANM	ANM_BA(cic)		
8		+Check_communication			
9		+Wait_T_WAIT			
10		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress,S_CPG.isup_pdu .GenNot.NotInd:=retrieve)	CPG_BA_GenNot(cic)		2.
11		+S_REL_etc_BA			
12		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...
<-----CPG----- <-----CPG----- hold
<-----ANM----- <-----ANM-----
... check communication ...
<-----CPG----- <-----CPG----- retrieve
... check communication ...
:

-
1. The call is put on HOLD by the called party.
 2. The call is retrieved by the called party.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_13_8

Group : HOLD/

Purpose : To verify that an in-band indication is sent to the PSTN subscriber if a call is placed on hold by the ISDN subscriber.

Configuration : IWorkCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.7 /Q.733

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_8			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM	ACM_BA(cic)		
5		+Check_ringing_tone_BA			
6		LAB! S_ANM	ANM_BA(cic)		
7		+Check_communication			
8		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold, S_CPG.isup_pdu.OBCI.InBndInfl:='1'B)	CPG_BA_GenNot(cic)		
9		+Wait_T_WAIT			
10		I_CP? CM_GO_AHEAD	CM_go_ahead	(P)	1.
11		+S_REL_etc_BA			
Detailed Comments : PSTN SPA SPB -----> -----IAM-----> <-----<-----ACM----- ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

<----- <-----ANM-----

... check communication ...

<--in-band indication-- <-----CPG-----

:

1. Continue if an indication of in-band information is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_9 Group : HOLD/ Purpose : To verify that a call in the held state can be released by the user who activated the Call hold service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.3 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Call hold service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_9			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	1.
10		+Wait_T_WAIT			
11		+S_REL_etc_BA			
12		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
... check communication ...
-----hold-----> -----CPG----->
...Check_No_ThroughConnection_BA...
-----disc-----> -----REL----->

1. The call is put on HOLD by the called party.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_10 Group : HOLD/ Purpose : To verify that a call in the held state can be released by the user who did not activate the Call hold service. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.3 /Q.764					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_10			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		1.
10		LAB? R_REL	REL_AB(cic)	(P)	
11		LAB! S_RLC	RLC_BA(cic)		
12		+Check_circuit_idle(cic)			
13		+G_Verdict_A_PTC			

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour**

Detailed Comments : access SPA SPB
<-----setup----- <-----IAM-----
-----alert-----> -----ACM----->
... ringing tone ...
-----conn-----> -----ANM----->
... check communication ...
<-----hold----- <-----CPG-----
-----disc-----> -----REL----->

1. The call is put on HOLD by the called party.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_11 Group : HOLD/ Purpose : To verify that a held call can be released by the user who activated the Call hold service without retrieving the call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.3 /Q.764 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the local user subscribes to the Call hold service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_11			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		
8		LAB? R_REL	REL_AB(cic)	(P)	
9		LAB! S_RLC	RLC_BA(cic)	(P)	
10		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----alert----->-----ACM-----> ... ringing tone ...					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----hold-----> -----CPG----->
-----disc-----> -----REL----->

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_13_12 Group : HOLD/ Purpose : To verify that an incoming call can be placed on hold and can be retrieved afterwards by the remote user. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.2.1; 2.5.2.5.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_13_12			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic, TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		
8		+Wait_T_WAIT			
9		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_BA_GenNot(cic)		
10		+S_REL_etc_BA			
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----- -----alert-----> -----ACM----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... ringing tone ...

<-----hold----- <-----CPG-----

<-----retrieve----- <-----RES-----

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_1 Group : CW/ Purpose : To verify that a call can be successfully established if the ACM indicates that it is a waiting call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.1.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_1			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.GenNot.NotInd:=waiting)	ACM_BA_GenNot(cic)		
5		+S_ANM_etc_BA			
6		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----alert----- <-----ACM----- ... call waiting ... : _____					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_14_2

Group : CW/

Purpose : To verify that a call can be successfully established if the CPG indicates that it is a waiting call.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.5.2.1.1 /Q.733

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_2			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd)	ACM_BA(cic)		
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=waiting)	CPG_BA_GenNot(cic)		
6		+S_ANM_etc_BA			
7		+S_REL_etc_BA			
8		+G_Verdict_A_PTC			
Detailed Comments : <div> <div>access</div> <div> <div>-----setup-----></div> <div><-----alert-----</div> </div> <div>SPA</div> <div> <div>-----IAM-----></div> <div><-----ACM-----</div> <div><-----CPG-----</div> </div> <div>SPB</div> <div>... call waiting ...</div> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_3					
Group : CW/					
Purpose : To verify that a call can be successfully established if the ACM indicates that it is a waiting call.					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 1.5.2.2.1; 1.5.2.3.1; 1.5.2.4.1 /Q.733					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB ACM_BA_GenNot(cic)		1.
2		+SS_14_3			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)			
4		LAB! S_ACM (S_ACM.isup_pdu.GenNot.NotInd:=waiting)			
5		+S_ANM_etc_BA			
6		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- ... call waiting ... : ----- 1. Call waiting indication is sent in ACM.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_14_4

Group : CW/

Purpose : To verify that a call can be successfully established if the CPG indicates that it is a waiting call.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 1.5.2.2.1; 1.5.2.3.1; 1.5.2.4.1 /Q.733

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_4			
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.BCI.CdPSI:=NoInd, S_ACM.isup_pdu.BCI.CdPC:=NoInd)	ACM_BA(cic)		
5		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=waiting)	CPG_BA_GenNot(cic)		1.
6		+Wait_T_WAIT			
7		LAB! S_ANM	ANM_BA(cic)		
8		+S_REL_etc_BA			
9		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- (No Ind) <-----CPG----- <-----CPG----- (Call waiting) : </pre> <hr/> <p>1. Call waiting indication is sent in CPG.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_5 Group : CW/ Purpose : To verify that a call can be successfully established if the user has subscribed to the call waiting service (with notification) and if he is currently busy, but answers the waiting call. The indication shall be sent either in an ACM or a CPG. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user subscribes to the call waiting service with the notification option.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_5			
3		(cic:=TSP_CIC_R, TCV_count0 := 1)			
4		REPEAT call_setup UNTIL [TCV_count0 = TSP_maxB_channel]			1.
5		(cic:=TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
7		LAB? R_ACM [(R_ACM.isup_pdu.GenNot.NotInd=waiting)]	ACM_AB_GenNot(cic)	(P)	2.
8		+rest			
9		LAB? R_ACM	ACM_AB(cic)		
10		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=waiting)]	CPG_AB_GenNot(cic)	(P)	3.
11		+rest			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		rest			
13		LAB? R_ANM	ANM_AB(cic)		
14		+S_REL_etc_BA			
15		(cic:=TSP_CIC_R, TCV_count0 := 1) REPEAT release_calls UNTIL [TCV_count0 = TSP_maxB_channel]			4.
16		call_setup LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
17		LAB? R_ACM	ACM_AB(cic)		
18		LAB? R_ANM	ANM_AB(cic)		
19		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
20		release_calls			
21		+Check_communication			
22		+G_Release_call			
23		+Check_circuit_idle(cic)			
24		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1) +G_Verdict_A_PTC			
Detailed Comments : access SPA SPB <-----setup-----<-----IAM----->] -----alert-----> -----ACM----->] repeat in order to -----conn-----> -----ANM----->] keep all B-channels busy					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
          ... check communication ...
<-----setup----- <-----IAM-----
      (no channel)
-----alert-----> -----ACM-----> .. call waiting ...
                      ( -----CPG-----> ... call waiting ... )
-----conn-----> -----ANM----->
          ... check communication ...
<-----disc----- <-----REL-----
                      -----RLC----->
:
```

-
1. Set up calls on every B-channel busy.
 2. Call waiting indication in ACM.
 3. Call waiting indication in CPG.
 4. Release the calls in order to get an idle state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_6 Group : CW/ Purpose : To verify that a call can be successfully established if the user has subscribed to the call waiting service (without notification) and if he is currently busy, but answers the waiting call. No indication shall be sent to the calling user. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.1 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user subscribes to the call waiting service without the notification option.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_6			
3		(cic:=TSP_CIC_R, TCV_count0 := 1)			
4		REPEAT call_setup UNTIL [TCV_count0 = TSP_maxB_channel]			1.
5		(cic:=TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
7		LAB? R_ACM	ACM_AB_NO_GenNot(cic)	(P)	2.
8		LAB? R_ANM	ANM_AB(cic)		
9		+S_REL_etc_BA			
10		(cic:=TSP_CIC_R, TCV_count0 := 1)			
11		REPEAT release_calls UNTIL [TCV_count0 = TSP_maxB_channel]			3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		call_setup LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A) ACM_AB(cic) ANM_AB(cic)		
13		LAB? R_ACM			
14		LAB? R_ANM			
15		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
		release_calls			
16		+Check_communication			
17		+G_Release_call			
18		+Check_circuit_idle(cic)			
19		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
20		+G_Verdict_A_PTC			
<div>Detailed Comments :</div> <div><div><div>access</div><div><-----setup-----</div><div>-----alert-----></div><div>-----conn-----></div><div>... check communication ...</div><div><-----setup-----</div><div>(no channel)</div><div>-----alert-----></div><div>-----conn-----></div><div>... check communication ...</div><div><-----disc-----</div></div><div><div>SPA</div><div><-----IAM-----</div><div>-----ACM-----></div><div>-----ANM-----></div><div></div><div><-----IAM-----</div><div></div><div>-----ACM-----></div><div>-----ANM-----></div><div></div><div><-----REL-----</div></div><div><div>SPB</div><div>]</div><div>]</div><div>]</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></</div></div></div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:

-
1. Set up calls on every B-channel busy.
 2. No call waiting indication in ACM.
 3. Release the calls in order to get an idle state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_7 Group : CW/ Purpose : To verify that the IUT sends a REL with cause #21 (call rejected) if a busy user rejects the waiting call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user subscribes to the call waiting service with the notification option.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_7			
3		(cic:=TSP_CIC_R, TCV_count0 := 1)			
4		REPEAT call_setup UNTIL [TCV_count0 = TSP_maxB_channel]			1.
5		(cic:=TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
7		LAB? R_ACM [(R_ACM.isup_pdu.GenNot.NotInd=waiting)]	ACM_AB_GenNot(cic)	(P)	2.
8		+rest			
9		LAB? R_ACM	ACM_AB(cic)		
10		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=waiting)]	CPG_AB_GenNot(cic)	(P)	3.
11		+rest			
		rest			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_21]	REL_AB(cic)	(P)	4.
13		LAB! S_RLC	RLC_BA(cic)		
14		(cic:=TSP_CIC_R, TCV_count0 := 1)			
15		REPEAT release_calls UNTIL [TCV_count0 = TSP_maxB_channel]			
		call_setup			
16		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
17		LAB? R_ACM	ACM_AB(cic)		
18		LAB? R_ANM	ANM_AB(cic)		
19		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
		release_calls			
20		+Check_communication			
21		+G_Release_call			
22		+Check_circuit_idle(cic)			
23		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
24		+G_Verdict_A_PTC			
<div>Detailed Comments : access SPA SPB <-----setup-----<-----IAM----->] -----alert-----> -----ACM----->] repeat in order to -----conn-----> -----ANM----->] keep all B-channels busy</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
          ... check communication ...
<-----setup----- <-----IAM-----
      (no channel)
-----alert-----> -----ACM-----> ... call waiting ...
                      ( -----CPG-----> ... call waiting ... )
-----disc-----> -----REL----->
<-----release---- <-----RLC-----
:
```

-
1. Set up calls on all B-channels.
 2. Call waiting indication in ACM.
 3. Call waiting indication in CPG.
 4. Release the calls in order to get an idle state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_14_8 Group : CW/ Purpose : To verify that the IUT sends a REL with cause #19 (no answer from user, user alerted) if a busy user does not answer the waiting call. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 1.5.2.5.2 /Q.733 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the called user subscribes to the call waiting service with the notification option.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_14_8			
3		(cic:=TSP_CIC_R, TCV_count0 := 1)			
4		REPEAT call_setup UNTIL [TCV_count0 = TSP_maxB_channel]			1.
5		(cic:=TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
7		LAB? R_ACM [(R_ACM.isup_pdu.GenNot.NotInd=waiting)] START T9min, START T9max	ACM_AB_GenNot(cic)		1.
8		+rest			
9		LAB? R_ACM	ACM_AB(cic)		
10		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=waiting)] START T9min, START T9max	CPG_AB_GenNot(cic)		2.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+rest			
12		rest			
13		?TIMEOUT T9min LAB? R_REL [R_REL.isup_pdu.Cause.CauseV=CV_19] CANCEL T9max	REL_AB(cic)	(P)	
14		LAB! S_RLC	RLC_BA(cic)		
15		+rest1			
16		?TIMEOUT T9max			
17		LAB! S_REL	REL_BA(cic)		
18		LAB? R_RLC	RLC_AB(cic)	(F)	
19		+rest1			
20		LAB? R_REL CANCEL T9min, CANCEL T9max	REL_AB(cic)		
21		LAB! S_RLC	RLC_BA(cic)	(F)	
22		+rest1			
23		call_setup LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
24		LAB? R_ACM	ACM_AB(cic)		
25		LAB? R_ANM	ANM_AB(cic)		
26		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
		rest1			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
27		(cic:=TSP_CIC_R, TCV_count0 := 1)			4.
28		REPEAT release_calls UNTIL [TCV_count0 = TSP_maxB_channel]			
		release_calls			
29		+Check_communication			
30		+G_Release_call			
31		+Check_circuit_idle(cic)			
32		(cic:=TSO_Next_CIC(cic), TCV_count0 := TCV_count0 + 1)			
33		+G_Verdict_A_PTC			
<p>Detailed Comments : access SPA SPB</p> <pre> <-----setup----- <-----IAM-----] -----alert-----> -----ACM----->] repeat in order to -----conn-----> -----ANM----->] keep all B-channels busy ... check communication ... <-----setup----- <-----IAM----- -----ACM-----> call waiting (-----CPG-----> call waiting) T9 <-----disconnect----- -----REL-----> : </pre> <hr/> <p>1. Call waiting indication in ACM. 2. Call waiting indication in CPG.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_1 Group : CCBS/ISUP/ Purpose : To verify that for the CCBS call, the IUT sets the ISUP preference indicator in the forward call indicator parameter in the IAM to "ISDN User Part required all the way". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7.1.1; 9.2.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_1("Set up a call which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----- <-----REL----- -----RLC-----> ... TCAP transaction ... <-----recall-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

--setup CCBS call----> -----IAM-----> ISUP required all the way

:

<-----disconnect---- <-----REL-----

:

-
1. Set up a call to busy user at SPB.
 2. User at SPB is found busy .
 3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
 4. CCBS call with 'ISDN User Part required all the way" in the FCI of the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_2 Group : CCBS/ISUP/ Purpose : To verify that for the CCBS call, the IUT includes in the IAM the CCBS call indicator in the CCBS parameter coded as "CCBS call". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7.1.3 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_2("Set up a call which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----- <-----REL----- -----RLC-----> ... TCAP transaction ... -----CCBS recall----> -----IAM----->					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

:                                     CCBS call
<-----disconnect-----<-----REL-----
:

```

1. Set up a call to busy user at SPB.
2. User at SPB is found busy .
3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
4. Check Indication 'CCBS call" in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_3 Group : CCBS/ISUP/ Purpose : To verify that for the CCBS call, the IUT includes the retained call information in the IAM : User service information; User service information prime; Access transport (e.g. called party subaddress); Called party number. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.1.1.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS and such that the relevant call information that is to be tested may be provided by the calling user.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_3("Set up a call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [R_IAM.isup_pdu.FCI.IPI=ISUPrequired] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN_USI _USIp	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect-----<-----REL----- -----RLC----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... TCAP transaction ...

<----recall-----

--setup CCBS call----> -----IAM-----> ISUP required all the way

:

<-----disconnect----- <-----REL-----

:

-
1. Set up a call with USI, USIp, ATP and/orCdPN, which encounters user at SPB busy, activates TCAP and terminates the call.
 2. User at SPB is found busy.
 3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
 4. CCBS call with 'ISDN User Part required all the way" in the FCI of the IAM. The retained call information about ATP, USI, USI prime and CdPN shall be checked too.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_4 Group : CCBS/ISUP/ Purpose : To verify that for the CCBS call, the IUT includes the retained call information in the IAM : Calling party number (if supported); Access transport (e.g. calling party subaddress if supported); UUS1, 2, 3 (retained request if supported); UUS1 (information given by user in response to CCBS recall, if supported) ; Optional forward call indicator (with COLP request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.1.1.1; 11.17 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS and such that the relevant call information for the applicable supplementary services may be provided by the calling user (e.g. SUB, COLP).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_4("Set up call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.OFCI.COLRq='1'B) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN_UUI nd_OFCI(TSP_Sub_A)	(P)	4.
6		+S_ACM_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	
<-----disconnect----	<-----REL-----	
	-----RLC----->	
	... TCAP transaction ...	
<-----recall-----		
--setup CCBS call-->	-----IAM----->	ISUP required all the way
:		
<-----disconnect----	<-----REL-----	
:		

1. Set up a call with Calling party number (if supported) ATP (e.g. calling party subaddress if supported); UUS1, 2, 3 (retained request if supported) UUS1 (information given by user in response to CCBS recall, if supported) OFCI (with COLP request) which encounters user at SPB busy, activates TCAP and terminate the call.
2. User at SPB is found busy.
3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
4. CCBS call with 'ISDN User Part required all the way' in the FCI of the IAM. The retained call information. about ATP, UUS1,2,3 request, UII in CCBS recall and CdPN shall be checked too.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_15_5

Group : CCBS/ISUP/

Purpose : To verify that the IUT is able to pass the diagnostic field including the CCBS indicator transparently to the preceding exchange.

Configuration : TransitCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.3.1; 9.4.1; 9.5.1 /ETS 300 356-18

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_5			
3		(cic := TSO_Next_CIC(cic))			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	1.
6		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments : SPC SPA SPB

```

<-----IAM-----<-----IAM-----
-----REL----->-----REL----->
<-----RLC-----<-----RLC-----

```

1. Check diagnostic field in the REL.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_6					
Group : CCBS/ISUP/					
Purpose : To verify that the IUT is able to pass CCSS parameter transparently to the succeeding exchange.					
Configuration : TransitCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 9.3.1; 9.4.1; 9.5.1 /ETS 300 356–18					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CCSSpar	(P)	1. 2.
2		+SS_15_6			
3		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			
Detailed Comments : SPC SPA SPB -----IAM-----> -----IAM-----> CCSS parameter : <hr/> 1. Set up a CCBS call to user at SPB. 2. Check that CCSSpar is received.					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_15_7

Group : CCBS/ISUP/

Purpose : To verify that the IUT is able to generate in a REL message with cause #17 "User busy" or # 34 "No circuit available" the diagnostic field containing a CCBS indicator with a "CCBS possible" indication.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 7.1.2 /ETS 300-356-18
PRE-TEST CONDITIONS :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+Destination_B_busy			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Continue			
		Continue			
10		(cic := TSO_Next_CIC(cic))			
11		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_REL [(((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	2.
13		LAB! S_RLC	RLC_BA(cic)		
14		(cic := TSP_CIC_R)			
15		LAB! S_REL	REL_BA(cic)		3.
16		LAB? R_RLC	RLC_AB(cic)		
<div>Detailed Comments :<div>accessSPASPB</div><div>set the destination</div><div>B busy</div><div>user busy</div><div><-----IAM-----></div><div>-----REL-----></div><div><-----RLC-----</div><div><-----disconnect--<-----REL-----</div><div>-----RLC-----></div><div>:</div><div>1. UNI at SPA becomes busy.</div><div>2. Check that "CCBS possible" is received in the release message with cause value #17 or #34.</div><div>3. Release the busy call.</div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_8 Group : CCBS/ISUP/ Purpose : To verify that the IUT is able to terminate the CCBS call, with the CCBS call indicator in the CCSS parameter in the IAM coded as "CCSS call". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 7.1.3 /ETS 300-356-18 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_8			1.
3		+Release_call_no_circuit			
4		+Tcap_DLE("User A frees resources, RemoteUserFree, resource(s) still available")			2.
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		3.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)	(P)	
10		+Check_communication			4.
11		+G_Release_call			
12		+Check_circuit_idle(cic)			

Continued on next page

Test Case Dynamic Behaviour

```

Detailed Comments :   access          SPA                               SPB
                        set the destination B busy
                        <-----IAM-----> normal call
                        -----REL-----> CCBS possible
                        <-----RLC----->
                        ... TCAP transaction ..
                        user frees resources
                        RemoteUserFree to CCBS call ( & reserve resource)
                        resource(s) still available
                        <-----setup-----> <-----IAM-----> CCBS call
                        -----alert-----> -----ACM----->
                        -----conn-----> -----ANM----->
                        <-----disc-----> <-----REL----->
                        :

```

1. UNI at SPA becomes busy.
2. Check that remote user is free by using the RemoteUserFree CCBS ASE operation.
3. Processe a CCBS call specified in the IAM.
4. Check that the call is terminated (ANM, CONN, ...).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_9 Group : CCBS/ISUP/ Purpose : To verify that the IUT is able to generate in a REL message with cause #17 "User busy" or # 34 "No circuit available" the diagnostic field containing a CCBS indicator with a "CCBS not possible" indication. Note: CCBS is not possible because e.g. the queue is set to zero or fill up or due to maintenance reasons. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that CCBS for destination B is not possible.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+Destination_B_busy			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Continue			
		Continue			
10		(cic := TSO_Next_CIC(cic))			
11		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_REL [(((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSnotPoss))]	REL_AB(cic)	(P)	2.
13		LAB! S_RLC	RLC_BA(cic)		
14		(cic := TSP_CIC_R)			
15		LAB! S_REL	REL_BA(cic)		
16		LAB? R_RLC	RLC_AB(cic)		3.
<div>Detailed Comments :<div>accessSPASPB</div><div>set the destination</div><div>B busy</div><div>user busy</div><div><div><div><-----IAM-----</div><div>-----REL-----></div><div><-----RLC-----</div><div><-----disconnect----</div><div><-----REL-----</div><div>-----RLC-----></div></div><div>:</div><div><div>1. Set up a call to busy user at SPA.</div><div>2. Check that "CCBS not possible" is received in the release message with cause value #17 or #34.</div><div>3. Release the busy call.</div></div></div></div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_10_NOK Group : CCBS/ISUP/ Purpose : To verify that the IUT generates the correct parameter compatibility information for the CCBS in the IAM. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: Annex B /ETS 300 356-18 PRE-TEST CONDITIONS FOR OLE: Arrange the data in the IUT so that the calling user subscribes to CCBS.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_10("Set up a call which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar_ParCm p	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----<-----REL----- -----RLC-----> ... TCAP transaction ... -----CCBS recall----> -----IAM-----> CCBS call					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:
<-----disconnect--- <-----REL-----
:

-
1. Set up a call to busy user at SPB.
 2. User at SPB is found busy.
 3. Check that user at SPB becomes free by using the RemoteUserFree CCBS ASE operation.
 4. Check Indication 'CCSS call" in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_10 Group : CCBS/ISUP/ Purpose : To verify that the IUT sends a release message with cause #17 or #34 and diagnostic "CCBS possible". The DLE should retain the original request in the queue. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.10.2.2.c; 9.6.2.c /ETS 300 356-18 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+Destination_B_busy			
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		+Continue			
		Continue			
10		(cic := TSO_Next_CIC(cic))			
11		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	2.
13		LAB! S_RLC	RLC_BA(cic)		
14		(cic := TSP_CIC_R)			
15		LAB! S_REL	REL_BA(cic)		3.
16		LAB? R_RLC	RLC_AB(cic)		
<p>Detailed Comments : access SPA SPB</p> <p>set the destination</p> <p>B busy</p> <p>user busy</p> <pre> <-----IAM----- -----REL-----> <-----RLC----- <-----disconnect-- <-----REL----- -----RLC-----> </pre> <p>:</p> <hr/> <p>1. Set up a call to busy user at access. 2. Check that "CCBS possible" is received in the release message with cause value #17 or #34. 3. Release the busy call.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_11 Group : CCBS/ISUP/ Purpose : To verify that the IUT sends a release message with cause #17 or # 34 with diagnostic "CCBS possible" when the terminals are compatible. The DLE releases all its resources for the original request and waits for new CCBS request. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 11.10.2.2.c; 9.6.2.c /ETS 300 356-18 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_11			1.
3		+Release_call_no_circuit			
4		+Tcap_DLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		2.
7		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	3.
8		LAB! S_RLC	RLC_BA(cic)	(P)	
Detailed Comments : access SPA SPB set the destination					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

B busy
user busy          <-----IAM-----
                   -----REL-----> CCBS possible
                   <-----RLC-----
... TCAP transaction ..
RemoteUserFree
user busy again    <-----IAM----- CCSS call
                   -----REL-----> CCBS possible
                   <-----RLC-----
<-----disconnect--- <-----REL-----
                   -----RLC----->

```

-
1. Set up a call to busy user at access.
 2. CCBS call.
 3. Check that "CCBS possible" is received in the release message with cause value # 17 or #34.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_12					
Group : CCBS/ISUP/					
Purpose : To verify that the IUT deletes the CCSS parameter in the IAM if the CCBS call is forwarded by the initially busy user.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 11.10.2.2.c /ETS 300 356–18					
PRE–TEST CONDITIONS :					
User at destination B must subscribe to and activate CFB to an external user while the recall timer is running (CCBS–T9).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB	(P)	1. 2.
2		+SS_15_12			
3		LAB? R_IAM			
4		[(R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)			
		+S_ACM_etc_BA			
Detailed Comments :					
SPC SPA SPB					
-----IAM-----> (busy)					
<-----REL-----					
-----RLC----->					
(user at SPA activates CDIV while CCBS–T9 runs)					
-----IAM-----> -----IAM-----> CFB					
with CCSSpar no CCSSpar					
:					
<hr/>					
1. Set up a call to busy user at SPA.					
2. Check that no CCSSpar is received in the IAM.					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_13 Group : CCBS/ISUP/ Purpose : To verify that the IUT supports the maximum number of up to 5 queue entries. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.1 /ETS 300 356-18 PRE-TEST CONDITIONS :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_13			1.
3		+Five_calls			2.
4		(cic := TSO_Next_CIC(cic))			
5		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		3.
6		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSnotPoss)]	REL_AB(cic)	(P)	4.
7		LAB! S_RLC	RLC_BA(cic)		
8		(cic := TSP_CIC_R)			
9		LAB! S_REL	REL_BA(cic)		5.
10		LAB? R_RLC	RLC_AB(cic)	(P)	
11		Five_calls (cic:=TSP_CIC_R)			6.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
13		LAB? R_ACM	ACM_AB(cic)		
14		+Check_ringing_tone_AB			
15		LAB? R_ANM	ANM_AB(cic)		
16		+Check_communication			
17		(cic := TSO_Next_CIC(cic))			
18		(TCV_count0:=1)			
19		REPEAT Add_max_CCBS_queue(TCV_count0) UNTIL [TCV_count0=TSP_max_CCBS_entries]			7.
		Add_max_CCBS_queue(n: INTEGER)			
20		(TCV_count0:=TCV_count0+1)			
21		(cic := TSO_Next_CIC(cic))			
22		LAB! S_IAM	IAM_BA(cic)		
23		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	8.
24		LAB! S_RLC	RLC_BA(cic)		
25		+Tcap_DLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			
Detailed Comments : access SPA SPB set the destination					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour**Detailed Comments :** ...

B busy
 user busy <-----IAM-----
 -----REL----->
 <-----RLC-----

...TCAP transaction ...

Repeat more than 5 set up to busy user at SPA

:
 <-----disconnect--- <-----REL-----
 -----RLC----->

-
1. Set up a call to busy user at access.
 2. Send maximum number of CCBS requests and check that user at SPA becomes free by using the RemoteUserFree CCBS ASE operation.
 3. One more IAM after the maximum number of calls is reached at SPA.
 4. Check that "not CCBS possible" is received in the REL with cause value # 17 or #34.
 5. Release the busy call.
 6. Set up calls (maximum 5 differents) from SPB to SPA which encounters user at SPA busy. Activate CCBS for the differents calls.
 6. User at SPB requests maximum allowed CCBS request.
 7. Received REL with cause value #17 or #34.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_14 Group : CCBS/ISUP/ Purpose : To verify that the IUT, having an entry in the CCBS queue, releases a second incoming call if the service requirements of the second call are identical to the entry being processed and resources are available. Note: The original request remains in the queue. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.1 /ETS 300 356-18 (para 16-17, above note) PRE-TEST CONDITIONS : Arrange the data in the IUT so that there are free resources in addition to the resource reserved for the first CCBS request.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_14			1.
3		+Release_call_no_circuit			2.
4		+Tcap_DLE("User A frees resources, RemoteUserFree to 1st call (& reserve resource), resource(s) still available for potentiial 2nd call")			3.
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		4.
7		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		+Tcap_DLE("Check that user at DLE becomes free by using TCAP message flows")			
9		(cic:=TSP_CIC_R)			
10		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		6.
11		+R_ACM_etc_AB			
12		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		7.
13		+R_ACM_etc_AB			
Detailed Comments : access SPA SPB set the destination B busy user busy <-----IAM----- 1st call -----REL-----> CCBS possible <-----RLC----- ... TCAP transaction .. user frees resources RemoteUserFree to 1st call (& reserve resource) resource(s) still available for potential 2nd call <-----IAM----- 2nd. independant call -----REL-----> released because identical requirements <-----RLC----- ... check TCAP transaction ... <-----IAM----- 1st. CCBS call (empty queue)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

...continue CCBS call 1st call.

:

-
1. Set up a 1st call to busy user at access.
 2. Check release message with cause value # 17 or # 34 (1st call).
 3. Check that remote user is free by using the RemoteUserFree CCBS ASE operation.
 4. Processe a second identical (with the same requirement to the one being processed) set up to the same remote user.
 5. Check that the call is released with cause #17 or # 34 (2 nd call).
 6. Continue the 1st CCBS call in order to get an idle state.
 7. Continue the 2nd CCBS call in order to get an idle state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_15_15 Group : CCBS/ISUP/ Purpose : To verify that the IUT, having a queue entry in the CCBS queue, accepts a second incoming call if the service requirements of the second call are not identical to the entry being processed and resources are available. Note: The original request remains in the queue. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.1 /ETS 300 356–18 (para 16–17, above note) PRE-TEST CONDITIONS : Arrange the data in the IUT so that there are free resources in addition to the resource reserved for the first CCBS request.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_15_15			1.
3		+Release_call_no_circuit			2.
4		+Tcap_DLE("User A frees resources, RemoteUserFree to 1st call (& reserve resource), resource(s) still available for potentiial 2nd call")			3.
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		4.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)		
10		+Check_communication			5.
11		LAB! S_REL	REL_BA(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_RLC	RLC_AB(cic)		
13		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	6.
<p>Detailed Comments : access SPA SPB</p> <p>set the destination</p> <p>B busy</p> <p>user busy <-----IAM----- 1st call</p> <p><-----REL-----> CCBS possible</p> <p><-----RLC-----</p> <p>... TCAP transaction ..</p> <p>user frees resources</p> <p>RemoteUserFree to 1st call (& reserve resource)</p> <p>resource(s) still available for potential 2nd call</p> <p><-----setup----- <-----IAM----- 2nd. independant call</p> <p>-----alert-----> -----ACM-----></p> <p>-----conn-----> -----ANM-----></p> <p><-----disc----- <-----REL-----</p> <p>...continue with the 1st CCBS call</p> <p>:</p> <hr/> <p>1. Set up a call to busy user at access.</p> <p>2. Check release message with cause value #17 or # 34 (1st call).</p> <p>3. Check that remote user is free by using the RemoteUserFree CCBS ASE operation.</p> <p>4. Processe a second non-identical (without the same requirement to the one being processed) set up.</p> <p>5. Check that the call is accepted (ANM, CONN, ...).</p> <p>6. End the TCAP dialogue for the 1 st call.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_1 Group : CCBS/ASE/ Purpose : To verify that the IUT can successfully perform a CCBS REQUEST operation if required by the calling user. Notes: 1. Send a CcbsRequest invoke to the DLE by using the TCAP primitive TC-BEGIN request(TC-INVOKE request). 2. Receive a CcbsRequest return result from the DLE in a TC-CONTINUE indication(TC-INVOKE indication). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.1.1.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_1("Set up a call which encounters user at SPB busy, activates CCBS and terminates the call")			1.
3		+Release_call_no_circuit_at_B			
4		+Activate_CCBS_request_OLE			2.
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			3.
7		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar		4.
8		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----- <-----REL-----					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                -----RLC-----> (normal call, user at SPB busy)
                                ... TCAP transaction ...
start CCBS-T1  --
<--CCBS Act request---
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxTC_BEGIN_REQ-->
stop CCBS-T2      <--TC_CONTINUE_INDx
start CCBS-T3
:
-----CCBS recall----> -----IAM----->  CCBS call
:
<-----disconnect---- <-----REL-----
:

```

-
1. The access side activates CCBS.
 2. The CcbsRequest invocation is received.
 3. The user at SPB is now free for a CCBS call.
 4. CCBS call set up with 'ISDN User Part required all the way' in the FCI of the IAM.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_I_15_2

Group : CCBS/ASE/

Purpose : To verify that if a failure occurs (short or long term denial) while invoking a CCBS REQUEST operation, the IUT is able to indicate the result to the calling user.

Notes.

1. Send a CcbsRequest invoke to the DLE by using the TCAP primitive TC-BEGIN request(TC-INVOKE request).

2. Receive a CcbsRequest return error from the DLE in TC-END indication(TC-U-ERROR indication).

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.1.1.1.2 /ETS 300-356-18

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_2("Set up a call which encounters user at SPB busy, activates CCBS, indicates the failure to the calling user")			1.
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke")	(P)	2.
5		SCCP_B! TCAP_REQ	S_TC_END("CcbsRequest return error")		
6		+G_Verdict_A_PTC			

Detailed Comments : access SPA SPB
-----setup-----> -----IAM----->
<-----disconnect--- <-----REL-----
-----RLC-----> (normal call, user at SPB busy)
... TCAP transaction ...

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
start CCBS-T1  --
<--CCBS Act request---
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxxTC_BEGIN_REQxxxx->
stop CCBS-T2      <---TC_END_INDxxxxxxxxx
```

-
1. The access side activates CCBS.
 2. The CcbsRequest invocation is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_3 Group : CCBS/ASE/ Purpose : To verify that the IUT can successfully perform a deactivation request if required by the calling user: Note: Send a CcbsCancel invoke without cancelCause to the DLE by using the TCAP primitive TC-END request(TC-INVOKE request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.2.1.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_3("Set up a call which encounters user at SPB busy, activates CCBS, deactivates CCBS")			1.
3		+Release_call_no_circuit_at_B			
4		+Activate_CCBS_request_OLE			2.
5		+Deactivate_CCBS_request			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----- <-----REL----- -----RLC-----> (normal call, user at SPB busy) ... TCAP transaction ... start CCBS-T1 -- <-CCBS Act request----- --CCBS Act response--> stop CCBS-T1 start CCBS-T2 xxxxTC_BEGIN_REQxx--> stop CCBS-T2 <--TC_CONTINUE_INDxx					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

start CCBS-T3

<--CCBS Deact request--

--CCBS Deact response-->

xxTC_END REQxxxx--->

stop CCBS-T3

-
1. The access side activates and deactivates CCBS.
 2. Check that the CcbsRequest invocation is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_4					
Group : CCBS/ASE/					
Purpose : To verify that the IUT can successfully initiate a CCBS recall to the calling user: Note: Receive a RemoteUserFree invoke from the DLE in TC–CONTINUE indication(TC–INVOKE indication).					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 9.2.1 /ETS 300–356–18 PRE–TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CCSSpar		1.
2		+SS_TC_15_4("Set up a call which encounters user at SPB busy, activates CCBS and CCBS recall and terminates the call")			
3		+Release_call_no_circuit_at_B			
4		+Activate_CCBS_request_OLE			2.
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			3.
7		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)			
8		+S_ACM_etc_BA			4.
9		+G_Verdict_A_PTC			
Detailed Comments : access					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<-----disconnect----- <-----REL-----
                        -----RLC-----> (normal call, user at SPB busy)
                        ... TCAP transaction ...
start CCBS-T1  --
<--CCBS Act request---
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxTC_BEGIN_REQxxxx-->
stop CCBS-T2      <--TC_CONTINUE_INDxxxx
start CCBS-T3
:
<-----CCBS recall act---
-----CCBS recall-----> -----IAM----->      CCBS call
:
<-----disconnect----- <-----REL-----
:
:

```

-
1. The access side activates CCBS request and CCBS recall.
 2. Check that the CcbsRequest invocation is received.
 3. The user at SPB is now free for a CCBS call.
 4. Check that CCBS call with 'ISDN User Part required all the way' in the FCI of the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_5 Group : CCBS/ASE/ Purpose : To verify that the IUT can act correctly after receipt of the indication that destination B is free but the calling user A is still busy. Notes: 1. Receive a RemoteUserFree invoke from the DLE in TC-CONTINUE indication(TC-INVOKE indication). 2. Notify the calling user A. 3. Send CcbsSuspend invoke in TC-CONTINUE request(TC-INVOKE request) to the DLE. 4. Eventually send CcbsResume invoke in TC-CONTINUE request(TC-INVOKE request) to the DLE if the calling user becomes free. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_5("Set up a call which encounters user at SPB busy, activates CCBS, arrange user at SPA to be found busy or CCBS busy when an indication RemoteUserFree has been received")			1.
3		+Release_call_no_circuit_at_B			
4		+Activate_CCBS_request_OLE			2.
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			3.
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsSuspend")	(P)	
8		+Wait_T_WAIT			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsR esume")	(P)	4.
10		SCCP_B! TCAP_REQ	S_TC_END("")		
11		+G_Verdict_A_PTC			
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect--- <-----REL----- -----RLC-----> (normal call, user at SPB busy) ... TCAP transaction ... start CCBS-T1 -- <--CCBS Act request--- --CCBS Act response--> stop CCBS-T1 start CCBS-T2 xxxxTC_BEGIN_REQxxxx--> stop CCBS-T2 <--TC_CONTINUE_INDxxxx CcbsRequest return result start CCBS-T3 <--TC_CONTINUE_INDxxx RemoteUserFree stop CCBS-T3 arrange user to be found busy xxxTC_CONTINUE_REQ--> CcbsSuspend or CCBS busy --Receive notification that the user at SPB is now free, --Send no response for that --User A is now free xxxTC_CONTINUE_REQ--> CcbsResume					
1. The access side activates CCBS.					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

2. Check that the CcbsRequest invocation is received.
3. The user at SPB is now free for a CCBS call.
4. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_6_a Group : CCBS/ASE/ Purpose : To verify that the IUT performs the retain option by setting the retainSupported parameter to TRUE or FALSE in the CcbsRequest or in the CcbsRequest return result. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 3 /ETS 300-356-18 PRE-TEST CONDITIONS FOR OLE: Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_6_a("Set up a call which encounters user at SPB busy, activates CCBS")			1.
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke(retainSupported=TRUE)")	(P)	2.
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcbsRequest return result(retainSupported=TRUE)")		
6		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	3.
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect---- <-----REL----- -----RLC-----> (normal call, user at SPB busy)					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
... TCAP transaction ...
start CCBS-T1  --
<--CCBS Act request---
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxTC_BEGIN_REQxxxx--> retainSupported=TRUE
stop CCBS-T2      <--TC_CONTINUE_INDxxxx  retainSupported=TRUE
start CCBS-T3
```

-
1. The access side activates CCBS.
 2. Check that the CcbsRequest invocation is received with "RetainSupported =TRUE".
 3. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_6_b Group : CCBS/ASE/ Purpose : To verify that the IUT performs the retain option by setting the retainSupported parameter to TRUE or FALSE in the CcbsRequest or in the CcbsRequest return result. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 3 /ETS 300-356-18 PRE-TEST CONDITIONS: Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_busy			1.
3		+Release_call_no_circuit			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke(retainSupported=TRUE)")		
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsRequest return result(retainSupported=TRUE)")	(P)	2.
6		(cic:=TSP_CIC_R)			
7		+G_Release_call			3.
Detailed Comments : access SPA SPB set the destination B busy <-----IAM-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

user busy -----REL----->
 <-----RLC-----
 ... TCAP transaction ...

 <--TC_BEGIN_REQxxxx retainSupported=TRUE
 xxxTC_CONTINUE_IND--> retainSupported=TRUE
user free <-----REL-----
 -----RLC----->

-
1. UNI at SPA becomes busy.
 2. Check that the CcbsRequest invocation is received with "RetainSupported =TRUE".
 3. Free destination B

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_7 Group : CCBS/ASE/ Purpose : To verify that the IUT does not send any CcbsRequest to the DLE if the maximum number of outstanding requests is reached. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.1.1.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_7("Set up a call which encounters user at SPB busy, activates more than the maximum number of CCBS requests which the IUT can support")			1.
3		(TCV_count0:=1)			
4		REPEAT Add_max_CCBS_request UNTIL [TCV_count0=TSP_max_CCBS_request]			
5		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke")	F	3.
6		Add_max_CCBS_request (TCV_count0:=TCV_count0+1)			
7		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17, S_REL.isup_pdu.Cause.Loc:='0000'B, S_REL.isup_pdu.Cause.Diag:=CCBSPoss)	REL_BA(cic)		
9		LAB? R_RLC	RLC_AB(cic)		
10		+Activate_CCBS_request_OLE			2.
11		SCCP_B! TCAP_REQ	S_TC_END("")		4.
<p>Detailed Comments : access SPA SPB</p> <pre> -----setup-----> -----IAM-----> <-----disconnect--- <-----REL----- -----RLC-----> (normal call, user at SPB busy) ... TCAP transaction ... start CCBS-T1 -- <--CCBS Act request--- --CCBS Act response--> stop CCBS-T1 start CCBS-T2 xxxxTC_BEGIN_REQxxxx--> stop CCBS-T2 <--TC_CONTINUE_INDxxxx CcbsRequest return result start CCBS-T3 repeat activate CCBS request until the maximum number of CCBS request supported by SPA check that no CCBS request is send after the specified number of entries </pre> <hr/> <ol style="list-style-type: none"> 1. The access side activates CCBS. 2. Check that no TC_BEGIN_REQ is sent after the maximum number of CCBS request is reached at SPA. 3. The testcase fails if the maximum number of outstanding requests is reached and CcbsRequest is received. 4. End the TCAP dialogue in order to get an initial state. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_8 Group : CCBS/ASE/ Purpose : To verify that the IUT sends a CcbsRequest return error to the OLE if the maximum number of queue entries is reached. Note: Send CcbsRequest return error in TC-END request(TC-INVOKE request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.1.2.2; 9.6.1; 9.9.4 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_busy			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		(TCV_count0:=1)			
10		REPEAT Add_max_CCBS_request UNTIL [TCV_count0=TSP_max_CCBS_entries]			
11		+Continue			
		Continue			
12		(cic := TSO_Next_CIC(cic))			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
14		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)		3.
15		LAB! S_RLC	RLC_BA(cic)		
16		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke")		
17		SCCP_B? TCAP_IND	R_TC_END("CcbsRequest return error")	(P)	4.
18		(cic:=TSP_CIC_R)			
19		+G_Release_call			5.
20		Add_max_CCBS_request (TCV_count0:=TCV_count0+1)			
21		(cic := TSO_Next_CIC(cic))			
22		LAB! S_IAM	IAM_BA(cic)		
23		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)		3.
24		LAB! S_RLC	RLC_BA(cic)		

Continued on next page

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. Check that "CCBS possible" is received in the release message with cause value # 17 or #34.
4. Check that CcbsRequest return error is received in TC_END_IND.
5. Free destination B

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_9 Group : CCBS/ASE/ Purpose : To verify that the IUT can end a TC dialogue after a successful CCBS call. Note: Send a TC-END request without component primitive upon sending of the ACM, CPG or CON. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.9.4 /ETS 300-356-18 PRE-TEST CONDITIONS: Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service..					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_TC_15_9			
3		+Release_call_no_circuit			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke")	(P)	
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsRequest return result")		
6		+Wait_T_WAIT			
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("RemoteUserFree")		
8		(cic:=TSP_CIC_R)			
9		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPRequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		
10		SCCP_B? TCAP_IND	R_TC_END("")	(P)	2.
11		+R_ACM_etc_AB			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :	SPA	SPB
access		
set the destination		
B busy		
	<-----IAM-----	
User A busy	-----REL----->	
	<-----RLC-----	
... TCAP transaction ...		
	<---xxTC_BEGIN_REQx	
	xxTC_CONTINUE_IND-->	CcbsRequest return result
:		
	xxTC_CONTINUE_IND-->	RemoteUserFree
:		
<-----set up-----	<-----IAM-----	CCBS call
	-----ACM----->	
	xxxxTC_END_IND----->	
:		
<-----disconnect-----	<-----REL-----	

1. UNI at SPA becomes busy.

2. Check that a TC_END_IND primitive without component is received in order to end the CCBS operation.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_10 Group : CCBS/ASE/ Purpose : To verify that the IUT sends a CcbsRequest invoke if the calling user activates the CCBS. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 10.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_10("Set up a call which encounters user at SPB busy, activates CCBS and terminates the call")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17, S_REL.isup_pdu.Cause.Loc:='0000'B)	REL_BA(cic)		2.
5		LAB? R_RLC	RLC_AB(cic)		
6		+Activate_CCBS_request_OLE			3.
7		+Wait_T_WAIT			
8		+RemoteUserFree_OLE			4.
9		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar		5.
10		+S_ACM_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	
<-----disconnect----	<-----REL-----	
	-----RLC----->	(normal call, user at SPB busy)
... TCAP transaction ...		
start CCBS-T1	--	
<--CCBS Act request---		
--CCBS Act response-->		
stop CCBS-T1		
start CCBS-T2	xxxxTC_BEGIN_REQxxxx-->	
stop CCBS-T2	<--TC_CONTINUE_INDxxxx	
start CCBS-T3		
:		
-----CCBS recall---->	-----IAM----->	CCBS call
:		
<-----disconnect----	<-----REL-----	
:		

-
1. The access side activates CCBS.
 2. Send a REL without diagnostic "CCBS is possible".
 3. Check that the CcbsRequest invocation is received.
 4. The user at SPB is now free for a CCBS call.
 5. CCBS call set up with 'ISDN User Part required all the way' in the FCI oh the IAM .

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_11 Group : CCBS/ASE/ Purpose : To verify that the retention timer CCBS-T1 can be started after receive of a release message with cause value # 17 or # 34 from the DLE and stopped normally after activation of the CCBS supplementary service by the calling user. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 12.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_11("Set up a call which encounters user at SPB busy, does not activate CCBS within CCBS-T1")			1.
3		+Release_call_no_circuit_at_B			
4		START CCBS_T1max			
5		?TIMEOUT CCBS_T1max		(P)	
6		(TCV_Result:=TSO_OLE_queue_empty())			2.
7		[TCV_Result=TRUE]		P	
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect--- <-----REL----- -----RLC-----> (normal call, user at SPB busy) SPB starts CCBS-T1 and receives nothing until the timer expires <-----facility----- Act CCBS start CCBS-T1					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

send nothing until it expires

-
1. The access side activates CCBS after CCBS-T1 runs out.
 2. Check that no CCBS request is stored in the queue.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_15_12					
Group : CCBS/ASE/					
Purpose : To verify that the timer CCBS–T2 can be started after sending of a CcbsRequest to the DLE and stopped normally after receipt of CcbsRequest return result from the DLE. Note: If the timer expires a TC–END with TC–L–CANCEL indication primitive is received from the DLE and the service request is rejected.					
Configuration : LocalCfg					
Default : AnyOtherEventUnexpected					
Comments : REFERENCE: 9.9.4 c); 12.1 /ETS 300–356–18 PRE–TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_TC_15_12("Set up a call which encounters user at SPB busy, activates CCBS and notify the served user of the result")			
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsReque st invoke")	(P)	
5		START CCBS_T2max			
6		?TIMEOUT CCBS_T2max			
7		SCCP_B! TCAP_REQ	S_TC_END("CcbsCancel invoke")		
8		+G_Verdict_A_PTC			
Detailed Comments : access					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

... TCAP transaction ...
start CCBS-T2 xxxTC_BEGIN_REQ--> SPB starts CCBS-T2 and sends
 <--TC_ENDxxxxxxxx TC_END_IND if the timer expires

-
1. The access side activates CCBS.
 2. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_13 Group : CCBS/ASE/ Purpose : To verify that the IUT can successfully deactivate a CCBS request if CCBS service duration timer CCBS-T3 expiry. Note: Send a CcbsCancel invoke with cancelCause to the DLE by using the TCAP primitive TC-END request(TC-INVOKE request) with cancelCause "CCBS-T3 Timeout". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.2.1.2 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_TC_15_13("Set up a call which encounters user at SPB busy, activates CCBS")			
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke")		
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcbsRequest return result")		
6		START CCBS_T3max			
7		?TIMEOUT CCBS_T3max			2.
8		SCCP_B! TCAP_REQ	S_TC_CONTINUE("RemoteUserFree")		
9		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	P	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	
<-----disconnect---	<-----REL-----	
	-----RLC----->	(normal call, user at SPB busy)
	... TCAP transaction ...	
start CCBS-T2	xxxxTC_BEGIN_REQ-->	CcbsRequest invoke
stop CCBS-T2	<----TC_CONT_INDxxxx	CcbsRequest return result
start CCBS-T3		SPB starts CCBS-T3 and sends TC_CONTINUE_IND with RemoteUserFree if it expires
	<----TC_CONT_INDxxxxx	RemoteUserFree
	xxxxxTC_END_REQ----->	TC_END_IND with CancelCause "timeout CCBS-T3"

-
1. The access side activates CCBS.
 2. After CCBS-T3 timer expiry the IUT shall send the the CancelCause "CCBS-T3 timeout" in a TC_END.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_14 Group : CCBS/ASE/ Purpose : To verify that the CCBS recall timer CCBS-T4 can be stopped after receiving an indication from the user for a CCBS recall. Note: CCBS recall timer CCBS-T4 contains the maximum time the network will wait for the calling user A to respond to a CCBS recall. The OLE sends a CcbsCancel invoke in TC-END request to the DLE in case of CCBS-T4 expiry. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.2.1.2 b); 12.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_TC_15_14("Set up a call which encounters user at SPB busy, activates CCBS but not the CCBS recall")			
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke")		
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcbsRequest return result")		
6		+Wait_T_WAIT			
7		SCCP_B! TCAP_REQ	S_TC_CONTINUE("RemoteUserFree")		
8		START CCBS_T4max			2.
9		?TIMEOUT CCBS_T4max			
10		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	P	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

access	SPA	SPB
-----setup----->	-----IAM----->	
<-----disconnect---	<-----REL-----	
	-----RLC----->	(normal call, user at SPB busy)
	... TCAP transaction ...	
start CCBS-T2	xxxxTC_BEGIN_REQ-->	CcbsRequest invoke
start CCBS-T3	<----TC_CONT_INDxxxx	CcbsRequest return result
:		
	<---TC_CONT_INDxxxxx	RemoteUserFree
		SPB starts CCBS-T4 and receives
		TC_END_IND with CancelCause
		if it expires
	xxxxxTC_END_REQ----->	TC_END_IND with CancelCause
		"timeout CCBS-T3"

-
1. The access side activates CCBS and does not accept the CCBS recall within CCBS-T4.
 2. Check that the CancelCause "CCBS-T4 timeout' is received in a TC_END.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_15 Group : CCBS/ASE/ Purpose : To verify that the IUT does not send any CcbsRequest to the DLE if a second identical activation of CCBS is done. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.2.c 1) /ETS 300 356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling user subscribes to CCBS.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_15("Set up 2 calls which encounter user at SPB busy, activates CCBS for the 1st call")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Activate_CCBS_request_OLE			3.
5		+Wait_T_WAIT			
6		+Release_call_no_circuit_at_B			4.
7		+Wait_T_WAIT			
8		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	5.
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect---- <-----REL----- -----RLC-----> (1st normal call, user at SPB busy) ... TCAP transaction ... start CCBS-T1 -- <---CCBS Act request---- ---CCBS Act response--> stop CCBS-T1					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
start CCBS-T2      xxxxTC_BEGIN_REQ-->
stop CCBS-T2      <--TC_CONTINUE_INDx
start CCBS-T3
:
-----setup-----> -----IAM----->
<-----disconnect---- <-----REL-----
                        -----RLC-----> (2nd normal call, user at SPB busy)
:
```

-
1. The access side activates CCBS.
 2. First call to busy user at SPB.
 3. Check that the CcbsRequest invocation is received.
 4. Second identical call from the IUT to the same SPB.
 5. End the TCAP dialogue.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_16 Group : CCBS/ASE/ Purpose : To verify that the IUT treats a second identical activation of CCBS as a new request. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.2.2.c 2) /ETS 300 356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT so that the calling user subscribes to CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_16("Set up 2 identical calls which encounter user at SPB busy, activate CCBS for both calls")			1.
3		+Release_call_no_circuit_at_B			2.
4		+Activate_CCBS_request_OLE			3.
5		+Wait_T_WAIT			
6		+Release_call_no_circuit_at_B			4.
7		+Activate_CCBS_request_OLE			5.
8		+Wait_T_WAIT			
9		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	6.
Detailed Comments : access SPA SPB -----setup-----> -----IAM-----> <-----disconnect----- <-----REL----- -----RLC-----> (1st normal call, user at SPB busy) ... TCAP transaction ... start CCBS-T1 -- <---CCBS Act request---					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

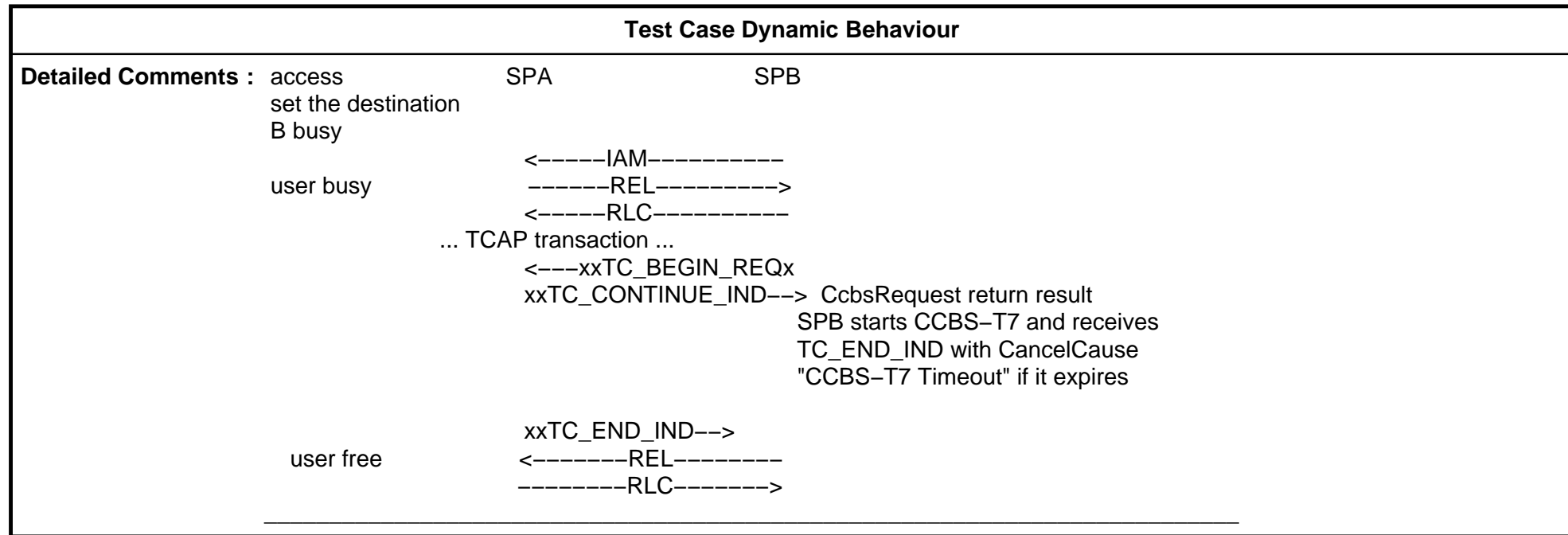
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxTC_BEGIN_REQ-->
stop CCBS-T2      <--TC_CONTINUE_INDx
start CCBS-T3
:
-----setup-----> -----IAM----->
<-----disconnect---- <-----REL-----
                        -----RLC-----> (2nd normal call, user at SPB busy)
... TCAP transaction ...
start CCBS-T1  --
<--CCBS Act request----
--CCBS Act response-->
stop CCBS-T1
start CCBS-T2      xxxxTC_BEGIN_REQ-->
stop CCBS-T2      <--TC_CONTINUE_INDx
start CCBS-T3
:

```

-
1. The access side activates CCBS.
 2. First call to busy user at SPB.
 3. Check that the CcbsRequest invocation is received.
 4. Second identical call from the IUT to the same SPB.
 5. Second identical activation of the CCBS request.
 6. End the TCAP dialogue.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_17 Group : CCBS/ASE/ Purpose : To verify that the IUT deactivates the CCBS request if the CCBS service supervision timer CCBS-T7 expires. Notes: 1. CCBS service supervision started after sending a CcbsRequest return result to the OLE. 2. CCBS service supervision stopped after the destination B becomes not busy before sending RemoteUserFree to the OLE. 3. Send CcbsCancel invoke in TC-END request(TC-INVOKE request) with cancelCause "CCBS-T7 Timeout". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.1.2.2.2 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_busy			
3		+Release_call_no_circuit			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke")		
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsRequest return result")		
6		START CCBS_T7max			
7		?TIMEOUT CCBS_T7max			
8		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	(P)	
9		(cic:=TSP_CIC_R)			
10		+G_Release_call			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_18 Group : CCBS/ASE/ Purpose : To verify that no resources are available at the destination B side until timer CCBS-T8 expires. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.2 a); 12.1 /ETS 300-356-18 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_TC_BEGIN("CcbsRequest invoke") R_TC_CONTINUE("CcbsRequest return result")		1.
2		+SS_TC_15_18			
3		+Release_call_no_circuit			
4		SCCP_B! TCAP_REQ			
5		SCCP_B? TCAP_IND			
6		+Wait_T_WAIT			
7		START CCBS_T8min, START T_LOCAL			
8		(TCV_count0:=0)			
9		REPEAT Check_no_resources UNTIL [TCV_count0=TSP_CCBS_T8]			
10		?TIMEOUT CCBS_T8min			
11		(cic := TSO_Next_CIC(cic))			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
13		+R_ACM_etc_AB			
14		Check_no_resources (TCV_count0:=TCV_count0+TSP_T_LOCAL)			
15		?TIMEOUT T_LOCAL			
16		(cic := TSO_Next_CIC(cic))			
17		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
18		LAB? R_REL	REL_AB(cic)	(P)	
19		LAB! S_RLC	RLC_BA(cic)		
20		START T_LOCAL			
<div>Detailed Comments :</div> <div><div>access SPA SPB</div><div>set the destination</div><div>B busy</div><div>user busy</div><div>... TCAP transaction ...</div><div>: User is now free</div><div><-----IAM----- -----REL-----> <-----RLC----- <---xxTC_BEGIN_REQx CcbsRequest xxTC_CONTINUE_IND--> CcbsRequest return result</div><div>SPB starts timers CCBS-T8 SPB checks every seconde that no resources are available by using</div></div>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                T_LOCAL timer
                                <-----IAM-----
                                -----REL----->
                                <-----RLC-----
:
<-----setup----- <-----IAM-----    CCBS-T8 expires
-----alert-----> -----ACM----->
-----conn-----> -----ANM----->
:

```

-
1. Check that no resources are available within CCBS-T8, e.g., send an IAM and receiving a REL.
 2. Check that resources are now available by sending an IAM and receiving an ACM, etc.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_19 Group : CCBS/ASE/ Purpose : To verify that the timer CCBS-T9 can be started after sending of a TC-CONTINUE with RemoteUserFree from the DLE and stopped after CCBS call is received from the OLE. Note: Send CcbsCancel invoke in TC-END request(TC-INVOKE request) with cancelCause "CCBS-T9 Timeout". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 9.6.2 d); 12.1 /ETS 300-356-18 PRE-TEST CONDITIONS: Arrange the data in the IUT such that the called user has not subscribed to call waiting supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_busy			
3		+Release_call_no_circuit			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke")		
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsRequest return result")		
6		+Wait_T_WAIT			
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("RemoteUserFree")		
8		START CCBS_T9max			
9		?TIMEOUT CCBS_T9max			
10		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	(P)	1
11		(cic:=TSP_CIC_R)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+G_Release_call			2.
<p>Detailed Comments : access SPA SPB</p> <p>set the destination</p> <p>B busy</p> <p>user busy</p> <p>... TCAP transaction ...</p> <p>: xxTC_CONTINUE_IND--> CcbsRequest return result</p> <p>xxTC_CONTINUE_IND--> RemoteUserFree</p> <p>SPB starts CCBS-T9 and receives</p> <p>TC_END_IND with CancelCause "CCBS-T9</p> <p>Timeout" if it expires</p> <p>user free</p> <p>1. Check that the CancelCause "CCBS-T9 timeout" is received in a TC_END.</p> <p>2. Free destination B.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_I_15_20 Group : CCBS/ASE/ Purpose : To verify that the timer TSUP is used correctly in case of interworking with a private network. Notes: 1. The DLE sends a CcbsCancel invoke in TC-END request to the OLE without cancelCause in case of TSUP timer expiry. 2. The OLE sends a CcbsCancel invoke in TC-END request to the DLE without cancelCause in case of TSUP timer expiry. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 10.6.3.3.1; 10.6.3.3.2; 12.3 /ETS 300-356-18 PRE-TEST CONDITIONS FOR OLE: Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_20("Support of the interworking supervision timer TSUP")			
3		+Release_call_no_circuit_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsRequest invoke")		
5		START T_SUP			
6		?TIMEOUT T_SUP			
7		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	P	1.
Detailed Comments : SPC SPA SPB (private network) -----IAM-----> -----IAM-----> <-----REL----- <-----REL-----					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC-----> -----RLC-----> (normal call, user at SPB busy)
... TCAP transaction ...
xxTC_BEGIN_REQ--> xxTC_BEGIN_REQ--> SPB starts T_SUP and sends
no CcbsRequest return result
within T_SUP
xxTC_END_REQ----> TC_END_IND without CancelCause

1. Check that a TC_END without CancelCause is received.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_I_15_21

Group : CCBS/ASE/

Purpose : To verify that if a call is released with a cause other than #17 or #34, then no CcbsRequest shall be sent from the OLE to the DLE.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 9.1.1.1.2 /ETS 300-356-18

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the calling user subscribes to the CCBS supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_15_21("Set up a call which is released , no CCBS activation")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_27, S_REL.isup_pdu.Cause.Loc:='0000'B, S_REL.isup_pdu.Cause.Diag:=CCBSPoss)	REL_BA(cic)		2.
5		LAB? R_RLC	RLC_AB(cic)		
6		+G_Verdict_A_PTC			

Detailed Comments :

```

access          SPA          SPB
-----setup-----> -----IAM----->
<-----disconnect--- <-----REL-----
                      -----RLC----->

```

1. The access side shouldn't activate CCBS.

2. Release call with a cause other than #17 or #34.

Test Case Dynamic Behaviour					
<p>Test Case Name : ISS_V_16_1</p> <p>Group : THREE_PTY/</p> <p>Purpose : To verify that the IUT, where the served user who has two calls is located, can successfully join two calls to form a three-way conversation, and notify the implied remote parties correctly.</p> <p>The IUT should send a call progress (CPG) with the generic notification indicator set to "conference established" to both implied parties. The event indicator should be set to "progress" in the call progress.</p> <p>The notification should be independent of the call direction of the two calls; i.e. it should apply to all of the following call set up scenarios :</p> <p>A -->B ; A<-- B ; A -->B ; A<-- B A -->C ; A -->C ; A<-- C ; A<-- C</p> <p>For the first two scenarios the subscriber has to subscribe to HOLD, for the last two ones to CW aswell.</p> <p>Configuration : MixedCfg</p> <p>Default : AnyOtherEventUnexpected</p> <p>Comments : REFERENCE: 2.4; 2.2.1 /Q.734.2 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to 3PTY and HOLD.</p>					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)	(P)	3.
9		+Check_conf_communication_BA(cic)			4.
10		+SS_2_16_1_release			
11		LAB! S_REL	REL_BA(cic)		5.
12		LAB? R_RLC	RLC_AB(cic)		
13		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- <-----ANM----- -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... <-----CPG----- <-----REL----- conf disc -----RLC-----> <-----REL----- -----RLC-----> </pre> <ol style="list-style-type: none"> 1. Set up a first call from SPA to SPB and put it on hold. 2. Set up a second call from SPA to SPC. 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG. 4. Check the 3PTY communication through the three-party bridge between users from UNI at SPB and SPC. 5. Release the call from UNI at SPB. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_2_a Group : THREE_PTY/ Purpose : To verify that the IUT (controlling the 3PTY call) on a 3PTY call can successfully create private communication with one of the remote users. The appropriate notification (depending on A-B active-held or A-C active-idle connection) is sent in CPG to the two users. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1.3 a) /Q.734.2 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to 3PTY and HOLD.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
8		?DONE (A_PTC, I_PTC)			
9		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
10		+Check_conf_communication_BA(cic)			4.
11		CREATE (A_PTC:A_rel_x_3pty_with_facility,I_PTC:I_3pty_release_AC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AB_GenNot(cic)		5.
13		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	6.
14		?DONE (A_PTC, I_PTC)			
15		CREATE (A_PTC:A_release_ACHy,I_PTC:I_release_AC)			
16		LAB! S_REL	REL_BA(cic)		7.
17		LAB? R_RLC	RLC_AB(cic)		
18		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- ... ringing tone ... <-----ANM----- check communication -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... <-----CPG----- -----CPG-----> conf disc conf disc -----CPG-----> check remote hold <-----REL----- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC----->
<-----REL-----
-----RLC----->

-
1. Set up a first call from SPA to SPB and put it on hold.
 2. Set up a second call from SPA to SPC
 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG.
 4. Check the 3PTY communication towards each party.
 5. Disconnect the 3PTY call call.
 6. Check the held state at SPB.
 7. Release the held call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_2_b Group : THREE_PTY/ Purpose : To verify that the IUT (controlling the 3PTY call) on a 3PTY call can successfully create private communication with one of the remote users. The appropriate notification (depending on A-B active-held or A-C active-idle connection) is sent in CPG to the two users. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1.3 a) /Q.734.2 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user subscribes to 3PTY and HOLD.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
9		?DONE (A_PTC, I_PTC)			
10		+Check_conf_communication_BA(cic)			4.
11		CREATE (A_PTC:A_hold_3pty,I_PTC:I_3pty_hold_AC)			
12		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AB_GenNot(cic)	(P)	6.
14		?DONE (A_PTC, I_PTC)			
15		+Wait_T_WAIT			
16		CREATE (A_PTC:A_release_ACHy,I_PTC:I_release_AC)			
17		LAB! S_REL	REL_BA(cic)		7.
18		LAB? R_RLC	RLC_AB(cic)		
19		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- ... ringing tone ... <-----ANM----- check communication -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... <-----CPG----- -----CPG-----> conf disc remote hold <-----CPG----- -----CPG-----> remote hold conf disc <-----REL----- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC----->
<-----REL-----
-----RLC----->

-
1. Set up a first call from SPA to SPB and put it on hold.
 2. Set up a second call from SPA to SPC.
 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG.
 4. Check the 3PTY communication towards each party.
 5. Check 'Remote hold' at SPB with which private communication is required.
 6. Check 'conference disconnected' disconnected' after retrieving the held call.
 7. Release the retrieved call.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_16_3_a

Group : THREE_PTY/

Purpose : To verify that the IUT (controlling the 3PTY call) on a 3PTY call can successfully disconnect one remote user and retain and notify the other user appropriately using CPG messages.

The IUT should send to the appropriate remote users CPG messages with the generic notification indicator (depending on A-B active-held or A-C active-idle connection). The event indicator in the CPG should be set to "progress".

Note: The "remote hold" notification should be sent in a CPG to the other remote user, followed by the "conference disconnected" notification in a separate CPG.

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.1.1.3 b) /ETS 356-19 9.2.3.4.1 /ETS 300 188-1

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the served user subscribes to 3PTY and HOLD.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
9		+Check_conf_communication_BA(cic)			4.
10		?DONE (A_PTC, I_PTC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		CREATE (A_PTC:A_16_3_3pty,I_PTC:I_release_AC)			
12		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	5.
13		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AB_GenNot(cic)	(P)	6.
14		LAB! S_REL	REL_BA(cic)		
15		LAB? R_RLC	RLC_AB(cic)		
16		+G_Verdict_I_PTC			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- <-----ANM----- -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... <-----REL----- -----CPG-----> -----RLC-----> remote hold -----CPG-----> conference disconnected <-----REL----- -----RLC-----> </pre> <hr/> <p>1. Set up a first call from SPA to SPB and put it on hold.</p>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

2. Set up a second call from SPA to SPC.
3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG.
4. Check the 3PTY communication towards each party.
5. Check 'Remote hold' at SPB after.
6. Check 'conference disconnected' after retrieving the held call.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_16_3_b

Group : THREE_PTY/

Purpose : To verify that the IUT (controlling the 3PTY call) on a 3PTY call can successfully disconnect one remote user and retain and notify the other user appropriately using CPG messages.

The IUT should send to the appropriate remote users CPG messages with the generic notification indicator (depending on A-B active-held or A-C active-idle connection). The event indicator in the CPG should be set to "progress".

Note: The "remote hold" notification should be sent in a CPG to the other remote user, followed by the "conference disconnected" notification in a separate CPG.

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.5.2.1.1.3 b) /ETS 356-19 9.2.3.4.1 /ETS 300 188-1

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the served user subscribes to 3PTY and HOLD.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
9		+Check_conf_communication_BA(cic)			4.
10		?DONE (A_PTC, I_PTC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		CREATE (A_PTC:A_release_x_3pty)			
12		LAB? R_REL	REL_AB(cic)		5.
		[(R_REL.isup_pdu.Cause.CauseV=CV_16) AND (R_REL.isup_pdu.Cause.Loc='0000'B)]			
13		LAB! S_RLC	RLC_BA(cic)	(P)	
14		?DONE (A_PTC)			
15		CREATE (A_PTC:A_rel_y_3pty_with_facility,I_PTC:I_2_16_1_rele ase)			
16		+G_Verdict_I_PTC			
Detailed Comments : SPC SPA SPB -----IAM-----> <-----ACM----- <-----ANM----- -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... <-----CPG----- -----REL-----> conf disc <-----RLC----- <-----REL----- -----RLC----->					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

1. Set up a first call from SPA to SPB and put it on hold.
2. Set up a second call from SPA to SPC.
3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG.
4. Check the 3PTY communication towards each party.
5. The user at SPB is released with Cause #16 – Normal call clearing.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_4_a Group : THREE_PTY/ Purpose : To verify that the IUT (controlling the 3PTY call) can send the appropriate notification to the two remote users when disconnecting both remote users on the 3PTY call. The IUT should send to the appropriate remote users a CPG with a generic notification indicator (depending on A-B active-held or A-C active-idle connection). The event indicator in the CPG is set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1.3 /ETS 300 356-19 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has activated 3PTY and HOLD supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		?DONE (A_PTC, I_PTC)			
7		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
9		+Check_conf_communication_BA(cic)			4.
10		?DONE (A_PTC, I_PTC)			
11		CREATE (A_PTC:A_release_y_3pty,I_PTC:I_release_AC)			
12		?DONE (A_PTC, I_PTC)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		CREATE (A_PTC:A_release_x_3pty)			
14		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	5.
15		LAB? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_16) AND (R_REL.isup_pdu.Cause.Loc='0000'B)]	REL_AB(cic)		6.
16		LAB! S_RLC	RLC_BA(cic)	(P)	
17		?DONE (A_PTC)		R	
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- <-----ANM----- -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- ---CPG-----> conf est conf est ... 3PTY communication ... <-----REL----- ---CPG-----> -----RLC-----> remote hold -----REL-----> <-----RLC----- </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a first call from SPA to SPB and put it on hold. 2. Set up a second call from SPA to SPC. 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG. 4. Check the 3PTY communication towards each party. 					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

5. Check 'Remote hold' as a reaction to first relasing user at SPC.
6. Check that Release is received at SPB with Cause #16 – Normal call clearing.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_4_b Group : THREE_PTY/ Purpose : To verify that the IUT (controlling the 3PTY call) can send the appropriate notification to the two remote users when disconnecting both remote users on the 3PTY call. The IUT should send to the appropriate remote users a CPG with a generic notification indicator (depending on A-B active-held connection or A-C active-idle connection). The event indicator in the CPG is set to "progress". Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.1.1.3 /ETS 300 356-19 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has activated 3PTY supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
8		+Check_conf_communication_BA(cic)			4.
9		?DONE (A_PTC, I_PTC)			
10		CREATE (A_PTC:A_release_x_3pty)			

Continued on next page

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

4. Check the 3PTY communication towards each party.
5. Check that Release is received at SPB with Cause #16 – Normal call clearing.

Test Case Dynamic Behaviour					
<p>Test Case Name : ISS_V_16_5_a</p> <p>Group : THREE_PTY/</p> <p>Purpose : To verify that the IUT (controlling the 3PTY call) can successfully continue the 3PTY call after receiving disconnection by one of the remote users, and send the appropriate notification to the remaining party.</p> <p>The IUT should send to the other remote user a CPG with a generic notification indicator (depending on A-B active-held or A-C active-idle connection). The event indicator in the CPG is set to "progress".</p> <p>Note: The "remote hold" notification should be sent in a CPG to the other remote user, followed by the "conference disconnected" notification in a separate CPG.</p> <p>Configuration : MixedCfg</p> <p>Default : AnyOtherEventUnexpected</p> <p>Comments : REFERENCE: 2.2.1 /Q.734.2 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has activated 3PTY and HOLD supplementary services.</p>					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
8		+Check_conf_communication_BA(cic)			4.
9		?DONE (A_PTC, I_PTC)			
10		CREATE (A_PTC:A_retrieve_x_3pty)			

Continued on next page

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----REL----->  -----CPG----->
<-----RLC-----   remote hold
                      -----CPG----->
                      conf disc
                      -----REL----->
                      <-----RLC-----
```

-
1. Set up a first call from SPA to SPB and put it on hold.
 2. Set up a second call from SPA to SPC.
 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG.
 4. Check the 3PTY communication towards each party.
 5. Check 'Remote hold' indication at SPB.
 6. Check 'conference disconnected' after retrieving the held call.
 7. Check that Release is received at SPB with Cause #16 – Normal call clearing.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_16_5_b

Group : THREE_PTY/

Purpose : To verify that the IUT (controlling the 3PTY call) can successfully continue the 3PTY call after receiving disconnection by one of the remote users, and send the appropriate notification to the remaining party.

The IUT should send to the other remote user a CPG with a generic notification indicator (depending on A-B active-held or A-C active-idle connection). The event indicator in the CPG is set to "progress".

Note: The "remote hold" notification should be sent in a CPG to the other remote user, followed by the "conference disconnected" notification in a separate CPG.

Configuration : MixedCfg

Default : AnyOtherEventUnexpected

Comments : REFERENCE: 2.2.1 /Q.734.2

PRE-TEST CONDITIONS :

Arrange the data in the IUT such that the served user has activated 3PTY and HOLD supplementary services.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		3.
8		+Check_conf_communication_BA(cic)			4.
9		?DONE (A_PTC, I_PTC)			
10		CREATE (I_PTC:I_3pty_release_AC)			

Continued on next page

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

5. User at SPB disconnects with Cause #16 Normal call clearing.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_6_a Group : THREE_PTY/ Purpose : To verify that the IUT can transparently transfer all information related to 3PTY. The IUT should be able to transparently transfer the CPG with the following notifications in the generic notification indicator in both the forward and the backward direction: 1) "conference established" 2) "conference disconnected" 3) "remote hold" Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.2-4.1/Q.734.2; Table 2-1/ETS 300 356-19					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_16_6_a			
3		+Active_call_AB_held			1.
4		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)		2.
5		+Check_conf_communication_BA(cic)			3.
6		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		4.
7		+Wait_T_WAIT			
8		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AB_GenNot(cic)	(P)	5.
9		LAB? R_REL	REL_AB(cic)		
10		LAB! S_RLC	RLC_BA(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		Active_call_AB_held			
12		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
13		LAB! S_ACM	ACM_BA(cic)		
14		LAB! S_ANM	ANM_BA(cic)		
14		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)		
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> <-----ACM----- <-----ACM----- <-----ANM----- <-----ANM----- -----CPG-----> -----CPG-----> check held state -----CPG-----> -----CPG-----> conf est conf est ... 3PTY communication ... -----CPG-----> -----CPG-----> remote hold Remote hold -----CPG-----> -----CPG-----> conf disc conf disc -----REL-----> -----REL-----> <-----RLC----- <-----RLC----- </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from SPB to SPC and put it on hold. 2. Check 'conference established' indication in the CPG. 3. Check through-connection of the speech path. 4. Check 'remote hold' indication at SPB. 5. Check 'conference disconnected' indication. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_6_b Group : THREE_PTY/ Purpose : To verify that the IUT can transparently transfer all information related to 3PTY. The IUT should be able to transparently transfer the CPG with the following notifications in the generic notification indicator in both the forward and the backward direction: 1) "conference established" 2) "conference disconnected" 3) "remote hold" Configuration : TransitCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.2-4.1/Q.734.2; Table 2-1/ETS 300 356-19					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_16_6_b			
3		+Active_call_BA_held			1.
4		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_BA_GenNot(cic)		2.
5		+Check_conf_communication_BA(cic)			3.
6		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		4.
7		+Wait_T_WAIT			
8		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_disc)	CPG_BA_GenNot(cic)		5.
9		LAB! S_REL	REL_BA(cic)		
10		LAB? R_RLC	RLC_AB(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+G_Verdict_I_PTC			
12		Active_call_BA_held			
13		(cic := TSP_CIC_R)			
14		LAB! S_IAM	IAM_BA(cic)		1.
15		LAB? R_ACM	ACM_AB(cic)		
16		LAB? R_ANM	ANM_AB(cic)		
16		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM-----> <-----IAM-----> -----ACM-----> -----ACM-----> -----ANM-----> -----ANM-----> <-----CPG-----> <-----CPG-----> check held state <-----CPG-----> <-----CPG-----> conf est conf est ... 3PTY communication ... <-----CPG-----> <-----CPG-----> remote hold remote hold <-----CPG-----> <-----CPG-----> conf disc conf disc <-----REL-----> <-----REL-----> -----RLC-----> -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a call from SPB to SPC and put it on hold. 2. Send 'conference established' indication in the CPG. 3. Check through-connection of the speech path. 4. Send 'remote hold' indication from SPB. 5. Send 'conference disconnected' indication. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_7 Group : THREE_PTY/ Purpose : To verify that the IUT can receive the notification information related to 3PTY, and pass it on to the access signalling system. The IUT should be able to transparently transfer the CPG with the following notifications in the generic notification indicator in both the forward and the backward direction: 1) "conference established" 2) "conference disconnected" 3) "remote hold" Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.5.2.5.1 /Q.734.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Active_call_BA_held			1.
3		+SS_16_7			2.
4		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_BA_GenNot(cic)		3.
5		+Check_communication			4.
6		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		5.
7		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_disc)	CPG_BA_GenNot(cic)		6.
8		+S_REL_etc_BA			7.
9		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		Active_call_BA_held			1.
11		(cic := TSP_CIC_R)			
		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
12		LAB? R_ACM	ACM_AB(cic)		
13		LAB? R_ANM	ANM_AB(cic)		
14		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		
Detailed Comments : access SPA SPB (MTC) SPD (controlling 3PTY)					
<div><div><-----setup-----</div><div><-----IAM-----</div><div><-----IAM-----</div><div>-----alerting-----></div><div>-----ACM-----></div><div>-----ACM-----></div><div>-----connect-----></div><div>-----ANM-----></div><div>-----ANM-----></div><div><----remote hold----</div><div><----CPG-----</div><div><----CPG-----</div><div>remote hold</div><div>remote hold</div><div><----conf est-----</div><div><----CPG-----</div><div><----CPG-----</div><div>conf est</div><div>conf est</div><div>... 3PTY communication ...</div><div><----remote hold----</div><div><----CPG-----</div><div><----CPG-----</div><div>remote hold</div><div>remote hold</div><div><----conf disc-----</div><div><----CPG-----</div><div><----CPG-----</div><div>conf disc</div><div>conf disc</div><div><----disconnect-----</div><div><----REL-----</div><div><----REL-----</div><div>-----RLC-----></div><div>-----RLC-----></div></div>					
<div>1. Set up a call to a UNI at SPA and put it on hold.</div> <div>2. Assist call set up to the access observe the indications: 'conference established", 'conference disconnected and 'remote hold' .</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. The 3PTY served user starts the 3PTY conversation
4. Check the 3PTY communication towards the remote party.
5. Send 'remote hold' indication to the remote party, sign that the other party has been disconnected.
6. Send 'conference disconnected', sign that the remote user has been retrieved.
7. Check that communication is possible and release the call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_8 Group : THREE_PTY/ Purpose : To verify that the IUT does not send any notifications to the remote users by request of HOLD by the served user during the 3PTY conversation active phase. Configuration : MixedCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.6.15 /Q.734.2 PRE-TEST CONDITIONS : Arrange the data in the IUT such that the served user has activated 3PTY and HOLD supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_1_16_1			
3		+Active_call_held_AB			1.
4		?DONE (A_PTC)			
5		+SS_2_16_1			2.
6		CREATE (A_PTC:A_3pty_begin,I_PTC:I_3pty_AC)			
7		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AB_GenNot(cic)	(P)	3.
8		+Check_conf_communication_BA(cic)			4.
9		?DONE (A_PTC, I_PTC)			
10		CREATE (A_PTC:A_hold_x_3pty)			
11		?DONE (A_PTC)			
12		CREATE (A_PTC:A_release_x_3pty)			
13		LAB? R_REL	REL_AB(cic)		5.
14		LAB! S_RLC	RLC_BA(cic)	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		?DONE (A_PTC)			
16		CREATE (A_PTC:A_release_y_3pty,I_PTC:I_2_16_1_release)			
17		?DONE (A_PTC, I_PTC)		R	
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> <-----ACM----- <-----ANM----- -----CPG-----> check held state <-----IAM----- -----ACM-----> -----ANM-----> <-----CPG----- -----CPG-----> conf est conf est ... 3PTY communication ... Served user at SPA activates hold --> nothing is observed at SPB <-----CPG----- -----REL-----> conf disc <-----RLC----- <-----REL----- -----RLC-----> </pre> <hr/> <ol style="list-style-type: none"> 1. Set up a first call from SPA to SPB and put it on hold. 2. Set up a second call from SPA to SPC. 3. Join the two calls into a 3PTY communication and check 'conference established" in the CPG. 4. Check the 3PTY communication towards each party. 5. Check that no notification of call Hold is received at SPC. 					

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_16_9 Group : THREE_PTY/ Purpose : To verify that the IUT will discard the call progress information in case of interaction with a network which does not provide it. The 3PTY should be completed. Configuration : IWorkCfg Default : AnyOtherEventUnexpected Comments : REFERENCE: 2.7 /Q.734.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_16_9			
3		+Active_call_BA_held			1.
4		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_BA_GenNot(cic)		2.
5		+Check_conf_communication_BA(cic)			3.
6		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		4.
7		+Wait_T_WAIT			
8		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_disc)	CPG_BA_GenNot(cic)		5.
9		LAB! S_REL	REL_BA(cic)		
10		LAB? R_RLC	RLC_AB(cic)		
11		+G_Verdict_T_PTC			
12		Active_call_BA_held (cic := TSP_CIC_R)			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_C_Non_ISUP)		1.
14		LAB? R_ACM	ACM_AB(cic)		
15		LAB? R_ANM	ANM_AB(cic)		
16		LAB! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_BA_GenNot(cic)		
<div>Detailed Comments : SPC (non-ISUP) SPA SPB(MTC) SPD (controlling 3PTY)</div> <div><-----IAI-----> <-----IAM-----> -----ACM-----> -----ACM-----> -----ANC-----> -----ANM-----> </div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_V_17_1_1

Group : CCNR/ISUP/

Purpose	: To verify that for the CCNR call, the IUT sets the ISUP preference indicator in the forward call indicator parameter in the IAM to "ISDN User Part required all the way".
----------------	---

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: ISUP Preference Indicator in the CCNR call

SUBTITLE: NONE

REFERENCE: 4.2.1.1; 5.3.1.1 /Q.733.5

PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_1("Set up a call which encounters user at SPB with no answer, activate TCAP and terminate the call")			1.
3		+Release_call_no_answer_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	4.
6		+S_ACM_etc_BA			

Detailed Comments :

```

      access      SPA      SPB
      -----setup-----> -----IAM----->
                          <-----ACM-----

```

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
                No reply
----disconnect--->  -----REL----->
                    <-----RLC-----
                ... TCAP transaction ...
<-----recall-----
--setup CCNR call--> -----IAM----->  ISUP required all the way
:
<-----disconnect--- <-----REL-----
:
```

-
1. Set up a call to free user at SPB.
 2. User at SPB has no reply.
 3. Check that user at SPB becomes free by using the RemoteUserFree CCNR ASE operation.
 4. CCNR call with 'ISDN User Part required all the way' in the FCI of the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_2 Group : CCNR/ISUP/ Purpose : To verify that for the CCNR call, the IUT includes in the IAM the CCNR call indicator in the CCSS parameter coded as "CCSS call". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR parameter in the CCNR call SUBTITLE: NONE REFERENCE: 4.2.1.3 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_2("Set up a call which encounters user at SPB busy, activate TCAP and terminate the call")			1.
3		+Release_call_no_answer_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : <div style="text-align: center;"> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- </div>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

      No reply
-----disconnect----> -----REL----->
                        <-----RLC-----
      ... TCAP transaction ...
-----CCNR recall----> -----IAM----->
:                                                                CCNR call
<-----disconnect----<-----REL-----
:

```

1. Set up a call to free user at SPB.
2. User at SPB has no reply.
3. Check that user at SPB becomes free by using the RemoteUserFree CCNR ASE operation.
4. Check Indication 'CCSS call" in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_3 Group : CCNR/ISUP/ Purpose : To verify that for the CCNR call, the IUT includes the retained call information in the IAM : User service information; User service information prime; Access transport (e.g. called party sub-address); Called party number. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR call with retained basic call information SUBTITLE: NONE REFERENCE: 5.1.1.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR and such that the relevant call information that is to be tested may be provided by the calling user.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_3("Set up a call")			1.
3		+Release_call_no_answer_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [R_IAM.isup_pdu.FCI.IPI=ISUPrequired] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CdPN_USI _USIp	(P)	4.
6		+S_ACM_etc_BA			
Detailed Comments : access SPA SPB -----setup-----> -----IAM----->					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

                                <-----ACM-----
No reply
---disconnect----> -----REL----->
                                <-----RLC-----
... TCAP transaction ...
<-----recall-----
--setup CCNR call-> -----IAM----->  ISUP required all the way
:
<---disconnect----- <-----REL-----
:

```

-
1. Set up a call with USI, USIp, ATP and/or CdPN, which encounters user at SPB no answer, activates TCAP and terminates the call.
 2. User at SPB is free.
 3. Check that user at SPB becomes free by using the RemoteUserFree CCNR ASE operation.
 4. CCNR call with 'ISDN User Part required all the way' in the FCI of the IAM. The retained call information about ATP, USI, USIp and CdPN shall be checked too.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_4 Group : CCNR/ISUP/ Purpose : To verify that for the CCNR call, the IUT includes the retained call information in the IAM : Calling party number (if supported); Access transport (e.g. calling party sub-address if supported); UUS1,2,3 (retained request if supported); UUS1 (information given by user in response to CCNR recall, if supported); Optional forward call indicator (with COLP request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR call with retained call information & interactions with other supplementary services SUBTITLE: NONE REFERENCE: 5.1.1.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR and such that the relevant call information for the applicable supplementary services may be provided by the calling user (e.g. SUB, COLP).					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_4("Set up call")			1.
3		+Release_call_no_answer_at_B			2.
4		+Tcap_OLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			3.
5		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.OFCI.COLRql='1'B) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_ATP_CgPN_UII nd_OFCl(TSP_Sub_A)	(P)	4.
6		+S_ACM_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

```

access      SPA      SPB
-----setup-----> -----IAM----->
               <-----ACM-----
      No reply

---disconnect---> -----REL----->
               <-----RLC-----
      ... TCAP transaction ...
<-----recall-----
--setup CCNR call--> -----IAM----->  ISUP required all the way
:
<-----disconnect--- <-----REL-----
:

```

1. Set up a call with Calling party number (if supported) ATP (e.g. calling party sub-address if supported); UUS1, 2, 3 (retained request if supported) UUS1 (information given by user in response to CCNR recall, if supported) OFCI (with COLP request) which encounters user at SPB with no answer, activates TCAP and terminate the call.
2. User at SPB is free.
3. Check that user at SPB becomes free by using the RemoteUserFree CCNR ASE operation.
4. CCNR call with 'ISDN User Part required all the way' in the FCI of the IAM. The retained call information. about ATP, UUS1,2,3 request, UUI in CCNR recall and CdPN shall be checked too.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_5 Group : CCNR/ISUP/ Purpose : To verify that the IUT is able to pass the CCNR Possible Indicator parameter in the ACM/CPG transparently to the preceding exchange. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Transit support of CCNR Possible Indicator parameter SUBTITLE: NONE REFERENCE: 5.3.2.1; 5.3.3.1; 5.3.4.1 /Q.733.5 PRETEST_CONDITIONS: None					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_5			
3		(cic := TSO_Next_CIC(cic))			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM [(R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd='1'B)]	ACM_AB(cic)	(P)	1.
6		LAB! S_REL	REL_BA(cic)		
7		LAB? R_RLC	RLC_AB(cic)	(P)	
Detailed Comments : <div style="text-align: center;"> SPC SPA SPB <-----IAM-----<-----IAM----- -----ACM-----> -----ACM-----> <-----REL-----<-----REL----- -----RLC-----> -----RLC-----> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-
1. Check CCNR Possible Indicator parameter in the ACM/CPG.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_17_1_6

Group : CCNR/ISUP/

Purpose : To verify that the IUT is able to pass CCSS parameter transparently to the succeeding exchange.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Transit support of CCSS parameter in IAM
 SUBTITLE: NONE
 REFERENCE: 5.3.2.1; 5.3.3.1; 5.3.4.1 /Q.733.5
 PRETEST_CONDITIONS: None

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_6			1.
3		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar	(P)	2.
4		+S_ACM_etc_BA			

Detailed Comments :

SPC SPA SPB
 -----IAM-----> -----IAM-----> CCSS parameter

:

-
1. Set up a CCNR call to user at SPB.
 2. Check that CCSSpar is received.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_17_1_7

Group : CCNR/ISUP/

Purpose : To verify that the IUT is able to generate in a ACM/CPG message the field containing a CCNR possible indicator with a "CCNR possible" indication.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: CCNR possible to destination B
 SUBTITLE: NONE
 REFERENCE: 4.2.1.2 /Q.733.5
 PRETEST_CONDITIONS: None

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_7			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_AB(cic)	(P)	2.
6		+Check_ringing_tone_AB			
7		LAB? R_REL	REL_AB(cic)		
8		LAB! S_RLC	RLC_BA(cic)	(P)	

Detailed Comments :

access SPA SPB
 set the destination
 B user free
 <-----IAM-----

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

No reply

-----ACM----->

<-----REL-----

-----RLC----->

<---disconnect---

:

-
1. UNI at SPA no answer.
 2. Check that "CCNR possible" is received in the ACM/CPG message.
 3. Release the call.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_8 Group : CCNR/ISUP/ Purpose : To verify that the IUT is able to terminate the CCNR call, with the CCNR call indicator in the CCSS parameter in the IAM coded as "CCSS call". Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR parameter in the CCNR call SUBTITLE: NONE REFERENCE: 4.2.1.3 /Q.733.5 PRETEST_CONDITIONS: None					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_8			1.
3		(cic := TSP_CIC_R)			
4		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		2.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)	(P)	3.
8		+Check_communication			
9		LAB! S_REL	REL_BA(cic)		
10		LAB? R_RLC	RLC_AB(cic)	(P)	
Detailed Comments : <div>access</div> <div>SPA</div> <div>SPB</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----setup----- <-----IAM----- CCNR call
-----alert-----> -----ACM----->
-----connect-----> -----ANM----->
<-----disc----- <-----REL-----
: -----RLC----->
```

-
1. Normal setup to UNI at SPA.
 2. Process a CCNR call specified in the IAM.
 3. Check that the call is terminated (ANM, CON, ...).

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_9 Group : CCNR/ISUP/ Purpose : To verify that the IUT is able to generate in a ACM/CPG the CCNR possible indicator parameter with a "CCNR not possible" indication. Note: CCNR is not possible. Possible reasons include the queue is set to zero or filled up or due to maintenance reasons. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR not possible to destination B SUBTITLE: NONE REFERENCE: 5 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that CCNR for destination B is not possible					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_9			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
5		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='0'B)	ACM_AB(cic)	(P)	2.
6		+Check_ringing_tone_AB			
7		LAB! S_REL	REL_BA(cic)		3.
8		LAB? R_RLC	RLC_AB(cic)	(P)	
Detailed Comments : <div> <div>access</div> <div>set the destination</div> <div>B user free</div> </div> <div>SPA</div> <div>SPB</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<-----setup-----      <-----IAM----- normal call
-----alert----->      -----ACM-----> CCNR not possible
      No reply
```

```
<---disconnect---      <-----REL-----
                        -----RLC----->
```

:

-
1. Set up a call to free user at SPA.
 2. Check that "CCNR not possible" is received in the ACM or CPG message.
 3. Release the call.

Test Case Dynamic Behaviour

Test Case Name : ISS_V_17_1_10

Group : CCNR/ISUP/

Purpose : To verify that the IUT deletes the CCNR parameter in the IAM if the CCNR call is forwarded by the initially busy user.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments	: TITLE: CCNR call as a normal call SUBTITLE: Interaction with CFB REFERENCE: 6.10.2.2 c)/Q.733.5 PRETEST_CONDITIONS: User at destination B must subscribe to and activate CFB to an external user while the recall timer is running (CCNR-T9).
-----------------	--

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB	(P)	1. 2.
2		+SS_17_10("CCNR call as a normal call – Interaction with CFB")			
3		LAB? R_IAM [(R_IAM.isup_pdu.CCSS.CCSSCI='0'B)] (cic:=R_IAM.isup_pdu.CIC)			
4		+S_ACM_etc_BA			

Detailed Comments :

SPC SPA SPB
(user at SPA activates CDIV while CCNR-T9 runs)
-----IAM-----> -----IAM-----> CFB
with CCNRpar no CCSSpar
· ·

1. Set up a call to free user at SPA.
2. Check that no CCSSpar is received in the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_11 Group : CCNR/ISUP/ Purpose : To verify that the IUT supports the maximum number of up to 5 queue entries. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Maximum number of CCNR request queue entries of destination B SUBTITLE: NONE REFERENCE: 5.3.5.1 /Q.733.5 PRETEST_CONDITIONS: None					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Five_calls			1.
3		(cic := TSO_Next_CIC(cic))			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='0'B)	ACM_AB(cic)	(P)	3.
6		LAB! S_REL	REL_BA(cic)		
7		LAB? R_RLC	RLC_AB(cic)		
8		(cic := TSP_CIC_R)			
9		LAB! S_REL	REL_BA(cic)		4.
10		LAB? R_RLC	RLC_AB(cic)	(P)	
11		Five_calls (cic:=TSP_CIC_R)			5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		6.
13		LAB? R_ACM	ACM_AB(cic)		
14		+Check_ringing_tone_AB			
15		LAB? R_ANM	ANM_AB(cic)		
16		+Check_communication			
17		(cic := TSO_Next_CIC(cic))			
18		(TCV_count0:=1)			
19		REPEAT Add_max_CCBS_queue(TCV_count0) UNTIL [TCV_count0=TSP_max_CCBS_entries]			
		Add_max_CCBS_queue(n: INTEGER)			
20		(TCV_count0:=TCV_count0+1)			
21		(cic := TSO_Next_CIC(cic))			
22		LAB! S_IAM	IAM_BA(cic)		
23		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_AB(cic)	(P)	
24		LAB? R_REL	REL_AB(cic)		
25		LAB! S_RLC	RLC_BA(cic)		
26		+Tcap_DLE("Check that user at DLE becomes free by using the RemoteUserFree CCBS ASE operation")			
Detailed Comments :					
	access	SPA	SPB		
	set the destination				
	B Free				

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

user no reply      <-----IAM-----
                   -----ACM-----> CCNR possible

                   -----REL----->
                   <-----RLC-----
...TCAP transaction ...
Repeat more than 5 set up to no reply user at SPA
:
<-----disconnect--- <-----REL-----
                   -----RLC----->

```

-
1. Send maximum number of CCNR requests and check that user at SPA becomes free by using the RemoteUserFree CCBS ASE operation.
 2. One more IAM after the maximum number of calls is reached at SPA.
 3. Check that "CCNR not possible" is received in the ACM/CPG.
 4. Release the call.
 5. Set up calls (maximum 5 different) from SPB to SPA which encounters user at SPA no answer. Activate CCNR for the different calls.
 6. User at SPB requests maximum allowed CCNR request.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_12 Group : CCNR/ISUP/ Purpose : To verify that the IUT, having an entry in the CCNR queue, releases a second incoming call if the service requirements of the second call are identical to the entry being processed and resources are available. Note: The original request remains in the queue. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Incoming non SUBTITLE: CNR call with identical service requirements released REFERENCE: 5.3.5.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT so that there are free resources in addition to the resource reserved for the first CCNR request.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_12			1.
3		+Release_call_no_answer			2.
4		+Tcap_DLE("User A frees resources, RemoteUserFree to 1st call (& reserve resource), resource(s) still available for potentiial 2nd call")			3.
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		4.
7		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:=1'B)	ACM_AB(cic)	(P)	5.
8		LAB? R_REL	REL_AB(cic)		
9		+Tcap_DLE("Check that user at DLE becomes free by using TCAP message flows")			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		(cic:=TSP_CIC_R)			
11		LAB! S_IAM	IAM_BA_CCSSpar(cic)		6.
		(S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)			
12		+R_ACM_etc_AB			
13		LAB! S_IAM	IAM_BA_CCSSpar(cic)		7.
		(S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)			
14		+R_ACM_etc_AB			
Detailed Comments : <div> <div>access</div> <div>SPA</div> <div>SPB</div> <div>set the destination</div> <div>B free</div> <div>user no reply</div> <div> <div><-----IAM-----</div> <div>-----ACM-----</div> <div><-----REL-----</div> <div>-----RLC-----</div> </div> <div>1st call</div> <div>CCNR possible</div> <div>... TCAP transaction ..</div> <div>user frees resources</div> <div>RemoteUserFree to 1st call (& reserve resource</div> <div>resource(s) still available for potential 2nd call</div> <div> <div><-----IAM-----</div> <div>-----REL-----</div> <div><-----RLC-----</div> </div> <div>2nd. independent call</div> <div>released because identical requirements</div> <div>... check TCAP transaction ...</div> <div> <div><-----IAM-----</div> </div> <div>1st. CCNR call (empty queue)</div> <div>...continue CCNR call 1st call.</div> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

:

-
1. Set up a 1st call to free user at access.
 2. Check address complete message with CCNR possible(1st call).
 3. Check that remote user is free by using the RemoteUserFree CCNR ASE operation.
 4. Process a second identical (with the same requirement to the one being processed) set up to the same remote user.
 5. Check that the call is released with cause XXXXXXXX (2nd call).
 6. Continue the 1st CCNR call in order to get an idle state.
 7. Continue the 2nd CCNR call in order to get an idle state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_V_17_1_13 Group : CCNR/ISUP/ Purpose : To verify that the IUT, having a queue entry in the CCNR queue, accepts a second incoming call if the service requirements of the second call are not identical to the entry being processed and resources are available. Note: The original request remains in the queue. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Incoming non SUBTITLE: CCNR call with not identical service requirements accepted REFERENCE: 5.3.5.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT so that there are free resources in addition to the resource reserved for the first CCNR request.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_17_13			1.
3		+Release_call_no_answer			2.
4		+Tcap_DLE("User A frees resources, RemoteUserFree to 1st call (& reserve resource), resource(s) still available for potentiial 2nd call")			3.
5		(cic := TSO_Next_CIC(cic))			
6		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		4.
7		LAB? R_ACM	ACM_AB(cic)		
8		+Check_ringing_tone_AB			
9		LAB? R_ANM	ANM_AB(cic)		
10		+Check_communication			5.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAB! S_REL	REL_BA(cic)		
12		LAB? R_RLC	RLC_AB(cic)		
13		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	6.
<p>Detailed Comments : access SPA SPB</p> <p>set the destination</p> <p>B busy</p> <p>user busy <-----IAM----- 1st call</p> <p><-----ACM-----> CCNR possible</p> <p><-----REL-----></p> <p><-----RLC-----</p> <p>... TCAP transaction ..</p> <p>user frees resources</p> <p>RemoteUserFree to 1st call (& reserve resource)</p> <p>resource(s) still available for potentiial 2nd call</p> <p><-----setup----- <-----IAM----- 2nd. independant call</p> <p><-----alert-----> <-----ACM-----></p> <p><-----conn-----> <-----ANM-----></p> <p><-----disc----- <-----REL-----</p> <p>...continue with the 1st CCBS call</p> <p>:</p> <hr/> <p>1. Set up a call to free user at access.</p> <p>2. Check address complete message with CCNR possible(1st call).</p> <p>3. Check that remote user is free by using the RemoteUserFree CCNR ASE operation.</p> <p>4. Process a second non-identical (without the same requirement to the one being processed) set up.</p> <p>5. Check that the call is accepted (ANM, CON, ...).</p> <p>6. End the TCAP dialogue for the 1st call.</p>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

CCNR Application Service Element (ASE)

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_1 Group : CCNR/ASE/ Purpose : To verify that the IUT can successfully perform a CCNR REQUEST operation if required by the calling user: Notes: 1. Send a CCNRRequest invoke to the DLE by using the TCAP primitive TC-BEGIN request(TC-INVOKE request). 2. Receive a CCNRRequest return result from the DLE in a TC-CONTINUE indication(TC-INVOKE indication). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Ability to perform a CCNR REQUEST class 1 operation SUBTITLE: successful REFERENCE: 5.1.1.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_1("Set up a call which encounters user at SPB no answer, activates CCBS and terminates the call")			1.
3		+Release_call_no_circuit_at_B			
4		+Activate_CCBS_request_OLE			2.
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			3.
7		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar		4.
8		+S_ACM_etc_BA			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

```

access      SPA      SPB
-----setup-----> -----IAM----->
<-----alert----- <-----ACM----- CCNR possible
      (normal call, user at SPB no answer)
-----disconnect----> -----REL----->
                        <-----RLC-----
      ... TCAP transaction ...
start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQ-->
stop CCNR-T2      <--TC_CONTINUE_INDx
start CCNR-T3
:
----CCNR recall----> -----IAM----->  CCNR call
:
<----disconnect---- <-----REL-----
:

```

-
1. The access side activates CCNR.
 2. The CCNRRequest invocation is received.
 3. The user at SPB is now free for a CCNR call.
 4. CCNR call set up with 'ISDN User Part required all the way' in the FCI of the IAM.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_2 Group : CCNR/ASE/ Purpose : To verify that if a failure occurs (short or long term denial) while invoking a CCNR REQUEST operation, the IUT is able to indicate the result to the calling user. Notes: 1. Send a CCNRRequest invoke to the DLE by using the TCAP primitive TC-BEGIN request(TC-INVOKE request). 2. Receive a CCNRRequest return error from the DLE in a TC-END indication(TC-U-ERROR indication). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Ability to perform a CCNR REQUEST class 1 operation SUBTITLE: unsuccessful REFERENCE: 5.1.1.1.2 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_2("Set up a call which encounters user at SPB no answer, activates CCNR, indicates the failure to the calling user")			1.
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrRequest invoke")	(P)	2.
5		SCCP_B! TCAP_REQ	S_TC_END("CcnrRequest return error")		
6		+G_Verdict_A_PTC			
Detailed Comments : <div>access SPA SPB</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----setup-----> -----IAM----->
<-----alert----- <-----ACM----- CCNR possible
      (normal call, user at SPB no answer)
              -----REL----->
              <-----RLC-----
          ... TCAP transaction ...
start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxxTC_BEGIN_REQxxxx->
stop CCNR-T2      <----TC_END_INDxxxxxxxxx
```

-
1. The access side activates CCNR.
 2. The CCNRRequest invocation is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_3 Group : CCNR/ASE/ Purpose : To verify that the IUT can successfully perform a deactivation request if required by the calling user: Note: Send a CCNRCancel invoke without cancelCause to the DLE by using the TCAP primitive TC-END request(TC-INVOKE request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Ability to perform a CCNR CANCEL class 4 operation SUBTITLE: NONE REFERENCE: 5.1.2.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_3("Set up a call which encounters user at SPB busy, activates CCNR, deactivates CCNR")			1.
3		+Release_call_no_answer_at_B			
4		+Activate_CCNR_request_OLE			2.
5		+Deactivate_CCNR_request			
Detailed Comments : <pre> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- CCNR possible (normal call, user at SPB no answer) -----REL-----> <-----RLC----- ... TCAP transaction ... start CCNR-T1 -- </pre>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
<--CCNR Act request-----  
--CCNR Act response-->  
stop CCNR-T1  
start CCNR-T2          xxxxTC_BEGIN_REQxx->  
stop CCNR-T2          <--TC_CONTINUE_INDxx  
start CCNR-T3  
<--CCNR Deact request-  
--CCNR Deact response->  
                        xxTC_END REQxxxx---->  
  
stop CCNR-T3
```

-
1. The access side activates and deactivates CCNR.
 2. Check that the CCNRRequest invocation is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_4 Group : CCNR/ASE/ Purpose : To verify that the IUT can successfully initiate a CCNR recall to the calling user: Note: Receive a RemoteUserFree invoke from the DLE in a TC-CONTINUE indication(TC-INVOKE indication). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Ability to indicate a CCNR recall to the calling user SUBTITLE: NONE REFERENCE: 5.3.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_AB_CCSSpar		1.
2		+SS_TC_17_2_4("Set up a call which encounters user at SPB no answer, activates CCNR and CCNR recall and terminates the call")			
3		+Release_call_no_answer_at_B			
4		+Activate_CCNR_request_OLE			
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			
7		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)			
8		+S_ACM_etc_BA			
9		+G_Verdict_A_PTC			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour**Detailed Comments :**

```

access      SPA      SPB
-----setup-----> -----IAM----->
                    <-----ACM----- CCNR possible
                    (normal call, user at SPB no answer)
                    -----REL----->
                    <-----RLC-----
                    ... TCAP transaction ...
start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQxxxx-->
stop CCNR-T2      <--TC_CONTINUE_INDxxxx
start CCNR-T3
:
<---CCNR recall act---
-----CCNR recall-----> -----IAM-----> CCNR call
:
<---disconnect----- <-----REL-----
:
:

```

-
1. The access side activates CCNR request and CCNR recall.
 2. Check that the CCNRRequest invocation is received.
 3. The user at SPB is now free for a CCNR call.
 4. Check that CCNR call with 'ISDN User Part required all the way' in the FCI of the IAM.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_5

Group : CCNR/ASE/

Purpose : To verify that the IUT can act correctly after receipt of the indication that destination B is free but calling user A is still busy:

Notes:

1. Receive a RemoteUserFree invoke from the DLE in a TC-CONTINUE indication(TC-INVOKE indication)
2. Notify the calling user A
3. Send CCNRSuspend invoke in a TC-CONTINUE request(TC-INVOKE request) to the DLE
4. eventually send CCNRResume invoke in TC-CONTINUE request(TC-INVOKE request) to the DLE if the calling user becomes free.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Calling user busy when destination B becomes free
 SUBTITLE: NONE
 REFERENCE: 5.3.1.1 /Q.733.5
 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_5("Set up a call which encounters user at SPB no answer, activates CCNR, arrange user at SPA to be found busy or CCNR busy when an indication RemoteUserFree has been received")			1.
3		+Release_call_no_answer_at_B			
4		+Activate_CCNR_request_OLE			2.
5		+Wait_T_WAIT			
6		+RemoteUserFree_OLE			3.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrS uspend")	(P)	4.
8		+Wait_T_WAIT			
9		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrR esume")	(P)	
10		SCCP_B! TCAP_REQ	S_TC_END("")		
11		+G_Verdict_A_PTC			
Detailed Comments : <div>access SPA SPB -----setup-----> -----IAM-----> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

the user at SPB is now free,
--Send no response for that
--User A is now free

xxxTC_CONTINUE_REQ--> CCNRResume

-
1. The access side activates CCNR.
 2. Check that the CCNRRequest invocation is received.
 3. The user at SPB is now free for a CCNR call.
 4. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_6 Group : CCNR/ASE/ Purpose : To verify that the IUT performs the retain option by setting the retainSupported parameter to TRUE or FALSE in the CCNRRequest or in the CCNRRequest return result. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Support of the retain option SUBTITLE: NONE REFERENCE: 1.3 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_6("Set up a call which encounters user at SPB no answer, activates CCNR")			1.
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrRequest invoke(retainSupported=TRUE)")	(P)	2.
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcnrRequest return result(retainSupported=TRUE)")		
6		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	3.
Detailed Comments : <div>access SPA SPB</div>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

-----setup-----> -----IAM----->
                    <-----ACM----- CCNR possible
                    (normal call, user at SPB no answer)
                    -----REL----->
                    <-----RLC-----
                    ... TCAP transaction ...
start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQxxxx-> retainSupported=TRUE
stop CCNR-T2      <--TC_CONTINUE_INDxxxx retainSupported=TRUE
start CCNR-T3

```

-
1. The access side activates CCNR.
 2. Check that the CCNRRequest invocation is received with "RetainSupported =TRUE".
 3. End the TCAP dialogue in order to get an initial state.

Case b)

access	SPA	SPB
set the destination		
B free		
	<-----IAM-----	
	-----ACM----->	CCNR possible
(normal call, user at SPB no answer)		
	<-----REL-----	
	-----RLC----->	
... TCAP transaction ...		

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
                                <--TC_BEGIN_REQxxxx retainSupported=TRUE
                                xxxTC_CONTINUE_IND--> retainSupported=TRUE
user free                      <-----REL-----
                                -----RLC----->
```

-
1. UNI at SPA free.
 2. Check that the CCNRRequest invocation is received with "RetainSupported =TRUE".
 3. Free destination B

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_7 Group : CCNR/ASE/ Purpose : To verify that the IUT does not send any CCNRRequest to the DLE if the maximum number of outstanding requests is reached. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Maximum number of outstanding CCNR requests of a user SUBTITLE: NONE REFERENCE: 5.1.1.1.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_7("Set up a call which encounters user at SPB no answer, activates more than the maximum number of CCNR requests which the IUT can support")			1.
3		(TCV_count0:=1)			
4		REPEAT Add_max_CCNR_request UNTIL [TCV_count0=TSP_max_CCBS_request]			
5		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrReque st invoke")	F	3.
6		Add_max_CCNR_request (TCV_count0:=TCV_count0+1)			
7		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		LAB! S_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_BA(cic)		
9		LAB? R_REL	REL_AB(cic)		
10		LAB! S_RLC	RLC_BA(cic)		
11		+Activate_CCNR_request_OLE			2.
12		SCCP_B! TCAP_REQ	S_TC_END("")		4.
<p>Detailed Comments :</p> <pre> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- CCNR possible (normal call, user at SPB no answer) -----REL-----> <-----RLC----- ... TCAP transaction ... start CCNR-T1 -- <--CCNR Act request---- --CCNR Act response--> stop CCNR-T1 start CCNR-T2 xxxxTC_BEGIN_REQxxxx--> stop CCNR-T2 <--TC_CONTINUE_INDxxxx CCNRRequest return result start CCNR-T3 repeat activate CCNR request until the maximum number of CCNR request supported by SPA check that no CCNR request is send after the specified number of entries </pre> <hr/> <ol style="list-style-type: none"> 1. The access side activates CCNR. 2. Check that no TC_BEGIN_REQ is sent after the maximum number of CCNR request is reached at SPA. 3. The test case fails if the maximum number of outstanding requests is reached and CCNRRequest 					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :** ...

is received.

4. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_8 Group : CCNR/ASE/ Purpose : To verify that the IUT sends a CCNRRequest return error to the OLE if the maximum number of queue entries is reached. Note: Send CCNRRequest return error in TC-END request(TC-INVOKE request). Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Maximum number of queue entries CCNR requests SUBTITLE: NONE REFERENCE: 5.1.1.2.2; 5.3.5.1; 5.5.4 /Q.733.5 PRETEST_CONDITIONS: None					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_no_answer			1.
3		(cic:=TSP_CIC_R)			
4		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		2.
5		LAB? R_ACM	ACM_AB(cic)		
6		+Check_ringing_tone_AB			
7		LAB? R_ANM	ANM_AB(cic)		
8		+Check_communication			
9		(TCV_count0:=1)			
10		REPEAT Add_max_CCNR_request UNTIL [TCV_count0=TSP_max_CCBS_entries]			
11		+Continue			
		Continue			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		(cic := TSO_Next_CIC(cic))			
13		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
14		LAB? R_ACM [(R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd='1'B)]	ACM_AB(cic)		3.
15		LAB? R_REL	REL_AB(cic)		
16		LAB! S_RLC	RLC_BA(cic)		
17		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrRequest invoke")		
18		SCCP_B? TCAP_IND	R_TC_END("CcnrRequest return error")	(P)	4.
19		(cic:=TSP_CIC_R)			
20		+G_Release_call			5.
		Add_max_CCNR_request			
21		(TCV_count0:=TCV_count0+1)			
22		(cic := TSO_Next_CIC(cic))			
23		LAB! S_IAM	IAM_BA(cic)		
24		LAB? R_ACM [(R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd='1'B)]	ACM_AB(cic)		3.
25		LAB? R_REL	REL_AB(cic)		
26		LAB! S_RLC	RLC_BA(cic)		
27		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrRequest invoke")		
28		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrRequest return result")		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments :

	SPA	SPB
access		
set the destination		
B free		
	<-----IAM-----	
	-----ACM----->	CCNR possible
(normal call, user at SPB no answer)		
	<-----REL-----	
	-----RLC----->	
... TCAP transaction ...		
	<---xxTC_BEGIN_REQx	
	xxTC_CONTINUE_IND---	CCNRRequest return result
... repeat activate CCNR request		
until the maximum number of CCNR		
request supported by the IUT		
is reached (fill up the queue)		
	<-----IAM-----	
	-----ACM----->	
User no answer		
	-----REL----->	
	<-----RLC-----	
	<---xxTC_BEGIN_REQx	
	xxxxTC_END_IND----->	CCNRRequest return error
		(short or long term denial)
User free		
	<-----REL-----	
	-----RLC----->	

-
1. UNI at SPA becomes free.
 2. Call to the destination B.
 3. Check that "CCNR possible" is received in the address complete message.
 4. Check that CCNRRequest return error is received in TC_END_IND.
 5. Free destination B

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_9 Group : CCNR/ASE/ Purpose : To verify that the IUT can end a TCAP dialogue after a successful CCNR call. Note: Send a TC-END request without component primitive upon sending of the ACM, CPG or CON. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Ability to end a dialogue SUBTITLE: NONE REFERENCE: 5.5.4 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_9			1.
3		+Release_call_no_answer			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrReque st invoke")	(P)	
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrR equest return result")		
6		+Wait_T_WAIT			
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("Remot eUserFree")		
8		(cic:=TSP_CIC_R)			
9		LAB! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_BA_CCSSpar(cic)		

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		SCCP_B? TCAP_IND	R_TC_END("")	(P)	2.
11		+R_ACM_etc_AB			
<p>Detailed Comments :</p> <pre> access SPA SPB set the destination B free <-----IAM----- -----ACM-----> User no answer -----REL-----> <-----RLC----- ... TCAP transaction ... <---xxTC_BEGIN_REQx xxTC_CONTINUE_IND--> CCNRRequest return result : xxTC_CONTINUE_IND--> RemoteUserFree : <-----set up----- <-----IAM----- CCNR call -----ACM-----> xxxTC_END_IND-----> : <-----disconnect----- <-----REL----- </pre> <hr/> <p>1. UNI at SPA free. 2. Check that a TC_END_IND primitive without component is received in order to end the CCNR operation.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_10 Group : CCNR/ASE/ Purpose : To verify that the IUT sends a CCNRRequest invoke if the calling user activates the CCNR. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Initiate the CCNR supplementary service even if no even if no CCNR possible indicator is received in the ACM/CPG SUBTITLE: NONE REFERENCE: 7.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_10("Set up a call which encounters user at SPB no answer, activates CCNR and terminates the call")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (S_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_BA(cic)		
5		LAB! S_REL	REL_BA(cic)		2.
6		LAB? R_RLC	RLC_AB(cic)		
7		+Activate_CCBS_request_OLE			3.
8		+Wait_T_WAIT			
9		+RemoteUserFree_OLE			4.

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		LAB? R_IAM [(R_IAM.isup_pdu.FCI.IPI=ISUPPrequired) AND (R_IAM.isup_pdu.CCSS.CCSSCI='1'B)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_CCSSpar		5.
11		+S_ACM_etc_BA			
<p>Detailed Comments :</p> <pre> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- (normal call, user at SPB no answer) -----REL-----> <-----RLC----- ... TCAP transaction ... start CCNR-T1 -- <--CCNR Act request--- --CCNR Act response--> stop CCNR-T1 start CCNR-T2 xxxxTC_BEGIN_REQxxxx--> stop CCNR-T2 <--TC_CONTINUE_INDxxxx start CCNR-T3 : ----CCNR recall----> -----IAM-----> CCNR call : <-----disconnect---- <-----REL----- : </pre> <hr/> <p>1. The access side activates CCNR. 2. Send a ACM "CCNR is possible".</p>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

3. Check that the CCNRRequest invocation is received.
4. The user at SPB is now free for a CCNR call.
5. CCNR call set up with 'ISDN User Part required all the way' in the FCI oh the IAM .

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_11 Group : CCNR/ASE/ Purpose : To verify that the retention timer CCNR-T1 can be started after receive of a address complete message with CCNR possible from the DLE and stopped normally after activation of the CCNR supplementary service by the calling user. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Support of the retention timer CCNR SUBTITLE: 1 REFERENCE: 9.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_11("Set up a call which encounters user at SPB no answer, does not activate CCNR within CCBS-T1")			1.
3		+Release_call_no_answer_at_B			
4		START CCBS_T1max			
5		?TIMEOUT CCBS_T1max		(P)	
6		(TCV_Result:=TSO_OLE_queue_empty())			2.
7		[TCV_Result=TRUE]		P	
Detailed Comments : <div style="text-align: center;"> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- (normal call, user at SPB no answer) <-----disconnect--- <-----REL----- -----RLC-----> </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

SPB starts CCNR-T1 and receives
nothing until the timer expires

<-----facility-----

Act CCNR
start CCNR-T1
send nothing until it expires

-
1. The access side activates CCNR after CCNR-T1 runs out.
 2. Check that no CCNR request is stored in the queue.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_12 Group : CCNR/ASE/ Purpose : To verify that the timer CCNR-T2 can be started after sending of a CCNRRequest to the DLE and stopped normally after receipt of CCNRRequest return result from the DLE. Note: If the timer expires a TC-END with TC-L-CANCEL indication primitive is received from the DLE and the service request is rejected. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Support of the CCNR request operation timer CCNR SUBTITLE: 2 REFERENCE: 5.5.4.1 c); 9.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_12("Set up a call which encounters user at SPB no answer, activates CCNR and notify the served user of the result")			1.
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrReque st invoke")	(P)	
5		START CCBS_T2max			
6		?TIMEOUT CCBS_T2max			
7		SCCP_B! TCAP_REQ	S_TC_END("CcnrCancel invoke")		
8		+G_Verdict_A_PTC			
Detailed Comments : <div>access SPA SPB</div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

```
-----setup-----> -----IAM----->  
                      <-----ACM-----
```

(normal call, user at SPB no answer)

```
<-----disconnect---- <-----REL-----  
                      -----RLC----->
```

... TCAP transaction ...

```
start CCNR-T2          xxxTC_BEGIN_REQ-->  SPB starts CCNR-T2 and sends  
                      <--TC_ENDxxxxxxxxx TC_END_IND if the timer expires
```

-
1. The access side activates CCNR.
 2. End the TCAP dialogue in order to get an initial state.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_13

Group : CCNR/ASE/

Purpose : To verify that the IUT can successfully deactivate a CCNR request if the CCNR service duration timer CCNR-T3 expires.

Note:

Send a CCNRCancel invoke with cancelCause to the DLE by using the TCAP primitive TC-END request(TC-INVOKE request) with cancelCause "CCNR-T3 Timeout".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Support of the CCNR service duration timer CCNR

SUBTITLE: 3

REFERENCE: 5.1.2.1.2 /Q.733.5

PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_13("Set up a call which encounters user at SPB no answer, activates CCNR")			1.
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrRequest invoke")		
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcnrRequest return result")		
6		START CCBS_T3max			
7		?TIMEOUT CCBS_T3max			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		SCCP_B! TCAP_REQ	S_TC_CONTINUE("RemoteUserFree")		
9		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	P	2.
Detailed Comments : <pre> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- (normal call, user at SPB no answer) <-----disconnect--- <-----REL----- -----RLC-----> ... TCAP transaction ... start CCNR-T2 xxxxTC_BEGIN_REQ--> CCNRRequest invoke stop CCNR-T2 <---TC_CONT_INDxxxx CCNRRequest return result start CCNR-T3 starts CCNR-T3 and sends TC_CONTINUE_IND with RemoteUserFree if it expires <---TC_CONT_INDxxxxx RemoteUserFree xxxxxTC_END_REQ-----> TC_END_IND with CancelCause "timeout CCNR-T3" </pre> <hr/> <p>1. The access side activates CCNR. 2. After CCNR-T3 timer expiry the IUT shall send the CancelCause "CCNR-T3 timeout" in a TC_END.</p>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_14 Group : CCNR/ASE/ Purpose : To verify that the timer CCNR-T4 can be stopped after receiving an indication from the user for a CCNR recall. Note: CCNR-T4 contains the maximum time the network will wait for the calling user A to respond to a CCNR recall. The OLE sends a CCNRCancel invoke in TC-END request to the DLE in case of CCNR-T4 expiry. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Support of the CCNR recall timer CCNR SUBTITLE: 4 REFERENCE: 5.1.2.1.2 ii); 9.1 /Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		+SS_TC_17_2_14("Set up a call which encounters user at SPB no answer, activates CCNR but not the CCBS recall")			
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrRequest invoke")		
5		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcnrRequest return result")		
6		+Wait_T_WAIT			
7		SCCP_B! TCAP_REQ	S_TC_CONTINUE("RemoteUserFree")		
8		START CCBS_T4max			
9		?TIMEOUT CCBS_T4max			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	P	2.
<div>Detailed Comments :</div> <div><div>access</div><div>SPA</div><div>SPB</div><div>-----setup-----> -----IAM-----></div><div><-----alert----- <-----ACM-----</div><div>(normal call, user at SPB no answer)</div><div><-----disconnect--- <-----REL-----</div><div>-----RLC-----></div><div>... TCAP transaction ...</div><div>start CCNR-T2 xxxxTC_BEGIN_REQ--> CCNRRequest invoke</div><div>start CCNR-T3 <----TC_CONT_INDxxxx CCNRRequest return result</div><div>:</div><div> <----TC_CONT_INDxxxxx RemoteUserFree</div><div> </div><div>SPB starts CCNR-T4 and receives TC_END_IND with CancelCause if it expires</div><div> xxxxxTC_END_REQ-----> TC_END_IND with CancelCause</div><div>"timeout CCNR-T3"</div><div><hr/></div><div>1. The access side activates CCNR and does not accept the CCNR recall within CCNR-T4.</div><div>2. Check that the CancelCause "CCNR-T4 timeout' is received in a TC_END.</div></div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_15

Group : CCNR/ASE/

Purpose : To verify that the IUT does not send any CCNRRequest to the DLE if a second identical activation of CCNR is done.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Reject a second identical activation of CCNR

SUBTITLE: NONE

REFERENCE: 5.3.1.2 b) i)/Q.733.5

PRETEST_CONDITIONS: Arrange the data in the IUT so that the calling user subscribes to CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_15("Set up 2 calls which encounter user at SPB no answer, activates CCNR for the 1st call")			1.
3		+Release_call_no_answer_at_B			2.
4		+Activate_CCNR_request_OLE			3.
5		+Wait_T_WAIT			
6		+Release_call_no_answer_at_B			4.
7		+Wait_T_WAIT			
8		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	5.

Detailed Comments :

```

access          SPA          SPB
-----setup-----> -----IAM----->
                   <-----ACM-----
(normal call, user at SPB no answer)
<----disconnect---- <-----REL-----
                   -----RLC-----> (1st normal call)

```

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

... TCAP transaction ...
start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQ-->
stop CCNR-T2      <--TC_CONTINUE_INDx
start CCNR-T3
:
-----setup-----> -----IAM----->
                        <-----ACM-----
(normal call, user at SPB no answer)
<----disconnect---- <-----REL-----
                        -----RLC-----> (2nd normal call)
:

```

-
1. The access side activates CCNR.
 2. First call to no answer user at SPB.
 3. Check that the CCNRRequest invocation is received.
 4. Second identical call from the IUT to the same SPB.
 5. End the TCAP dialogue.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_16

Group : CCNR/ASE/

Purpose : To verify that the IUT treats a second identical activation of CCNR as a new request.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments	: TITLE: Treat a second identical activation of CCNR as a new request
-----------------	---

SUBTITLE: NONE

REFERENCE: 5.3.1.2 b) ii)/Q.733.5

PRETEST_CONDITIONS: Arrange the data in the IUT so that the calling user subscribes to CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_16("Set up 2 identical calls which encounter user at SPB no answer, activate CCNR for both calls")			1.
3		+Release_call_no_answer_at_B			2.
4		+Activate_CCNR_request_OLE			3.
5		+Wait_T_WAIT			
6		+Release_call_no_answer_at_B			4.
7		+Activate_CCNR_request_OLE			5.
8		+Wait_T_WAIT			
9		SCCP_B! TCAP_REQ	S_TC_END("")	(P)	6.

Detailed Comments :

```

access      SPA                      SPB
-----setup-----> -----IAM----->
               <-----ACM-----
(normal call, user at SPB no answer)

```

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

<----disconnect----- <-----REL-----
                        -----RLC-----> (1st normal call)

```

... TCAP transaction ...

```

start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQ-->
stop CCNR-T2      <--TC_CONTINUE_INDx
start CCNR-T3
:

```

```

-----setup-----> -----IAM----->
                        <-----ACM-----

```

(normal call, user at SPB no answer)

```

<----disconnect----- <-----REL-----
                        -----RLC-----> (2nd normal call)

```

... TCAP transaction ...

```

start CCNR-T1  --
<--CCNR Act request---
--CCNR Act response-->
stop CCNR-T1
start CCNR-T2      xxxxTC_BEGIN_REQ-->
stop CCNR-T2      <--TC_CONTINUE_INDx
start CCNR-T3
:

```

-
1. The access side activates CCNR.
 2. First call to no answer user at SPB.
 3. Check that the CCNRRequest invocation is received.

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

4. Second identical call from the IUT to the same SPB.
5. Second identical activation of the CCNR request.
6. End the TCAP dialogue.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_17

Group : CCNR/ASE/

Purpose : To verify that the IUT deactivates the CCNR-request if CCNR-T7 expires.

Notes:

1. CCNR-T7 is started after sending a CCNRRequest return result to the OLE
2. CCNR-T7 is stopped after the destination B becomes not busy, before sending RemoteUserFree to the OLE.
3. Send a CCNRCancel invoke in a TC-END request(TC-INVOKE request) with cancelCause "CCNR-T7 Timeout".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Support of the CCNR service supervision timer CCNR
 SUBTITLE: 7
 REFERENCE: 5.1.2.2.2 /Q.733.5
 PRETEST_CONDITIONS: None

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_no_answer			
3		+Release_call_no_answer			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrRequest invoke")		
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrRequest return result")		
6		START CCBS_T7max			
7		?TIMEOUT CCBS_T7max			
8		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	(P)	

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
9		(cic:=TSP_CIC_R)			
10		+G_Release_call			
Detailed Comments : <div> <div>access</div> <div>SPA</div> <div>SPB</div> <div>set the destination</div> <div>B free</div> <div> <div><-----IAM-----</div> <div>-----ACM-----></div> </div> <div>(user at SPB no answer)</div> <div> <div>-----REL-----></div> <div><-----RLC-----</div> </div> <div>... TCAP transaction ...</div> <div> <div><---xxTC_BEGIN_REQx</div> <div>xxTC_CONTINUE_IND--> CCNRRequest return result</div> </div> <div>SPB starts CCNR-T7 and receives TC_END_IND with CancelCause</div> <div>"CCNR-T7 Timeout" if it expires</div> <div> <div>xxxxxTC_END_IND----></div> <div> <div>user free</div> <div> <div><-----REL-----</div> <div>-----RLC-----></div> </div> </div> </div> </div>					

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_18 Group : CCNR/ASE/ Purpose : To verify that no resources are available at the destination B side until timer CCNR-T8 expires. Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: Support of the destination B idle guard timer CCNR SUBTITLE: 8 REFERENCE: 5.3.1.5 a); 9.1 /Q.733.5 PRETEST_CONDITIONS: None					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_TC_BEGIN("CcnrRequest invoke") R_TC_CONTINUE("CcnrRequest return result")		1.
2		+SS_TC_17_2_18			
3		+Release_call_no_answer			
4		SCCP_B! TCAP_REQ			
5		SCCP_B? TCAP_IND			
6		+Wait_T_WAIT			
7		START CCBS_T8min, START T_LOCAL			
8		(TCV_count0:=0)			
9		REPEAT Check_no_resources UNTIL [TCV_count0=TSP_CCBS_T8]			
10		?TIMEOUT CCBS_T8min			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		(cic := TSO_Next_CIC(cic))			
12		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
13		+R_ACM_etc_AB			2.
14		Check_no_resources (TCV_count0:=TCV_count0+TSP_T_LOCAL)			
15		?TIMEOUT T_LOCAL			
16		(cic := TSO_Next_CIC(cic))			
17		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
18		LAB? R_REL	REL_AB(cic)	(P)	
19		LAB! S_RLC	RLC_BA(cic)		
20		START T_LOCAL			
Detailed Comments : <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;"> access set the destination B free </div> <div style="width: 30%; text-align: center;"> SPA </div> <div style="width: 30%; text-align: center;"> SPB </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: center; align-items: center;"> <div style="width: 30%;"></div> <div style="width: 30%; text-align: center;"> <-----IAM-----
 -----ACM-----> </div> <div style="width: 30%;"></div> </div> <div style="margin-top: 10px;"> (user at SPB no answer) </div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="width: 30%;"></div> <div style="width: 30%; text-align: center;"> -----REL----->
 <-----RLC----- </div> <div style="width: 30%;"></div> </div> <div style="margin-top: 10px;"> ... TCAP transaction ... </div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="width: 30%;"></div> <div style="width: 30%; text-align: center;"> <---xxTC_BEGIN_REQx CCNRRequest
 xxTC_CONTINUE_IND--> CCNRRequest return result </div> <div style="width: 30%;"></div> </div> </div>					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

```

:
User is now free    SPB starts timers CCNR-T8
                   SPB checks every second that no resources
                   are available by using T_LOCAL timer
                   <-----IAM-----
                   -----REL----->
                   <-----RLC-----
:
<-----setup----- <-----IAM----- CCNR-T8 expires
-----alert-----> -----ACM----->
-----connect-----> -----ANM----->
:

```

1. Check that no resources are available within CCNR-T8, e.g., send an IAM and receiving a REL.
2. Check that resources are now available by sending an IAM and receiving an ACM, etc.

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_19

Group : CCNR/ASE/

Purpose : To verify that the timer CCNR-T9 can be started after sending of a TC-CONTINUE with RemoteUserFree from the DLE and stopped after CCNR call is received from the OLE.

Note: Send a CCNRCancel invoke in a TC-END request(TC-INVOKE request) with cancelCause "CCNR-T9 Timeout".

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Support of the DLE recall timer CCNR
SUBTITLE: 9
REFERENCE: 5.3.5.2 d); 9.1 /Q.733.5
PRETEST_CONDITIONS: None

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Destination_B_no_answer			
3		+Release_call_no_answer			
4		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrRequest invoke")		
5		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrRequest return result")		
6		+Wait_T_WAIT			
7		SCCP_B? TCAP_IND	R_TC_CONTINUE("RemoteUserFree")		
8		START CCBS_T9max			
9		?TIMEOUT CCBS_T9max			

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	(P)	1
11		(cic:=TSP_CIC_R)			
12		+G_Release_call			2.
<div>Detailed Comments :</div> <div><div><div>access SPA SPB</div><div>set the destination</div><div>B free</div></div><div><div><-----IAM-----</div><div>-----ACM-----></div><div>(user at SPB no answer)</div><div>-----REL-----></div><div><-----RLC-----</div><div>... TCAP transaction ...</div><div><---xxTC_BEGIN_REQx</div><div>xxTC_CONTINUE_IND--> CCNRRequest return result</div><div>:</div><div>xxTC_CONTINUE_IND--> RemoteUserFree</div><div>SPB starts CCNR-T9 and receives</div><div>TC_END_IND with CancelCause</div><div>"CCNR-T9 Timeout" if it expires</div><div>xxxxxTC_END_IND----</div><div>user free</div><div><-----REL-----</div><div>-----RLC-----></div></div></div> <div><div>1. Check that the CancelCause "CCNR-T9 timeout" is received in a TC_END.</div><div>2. Free destination B.</div></div>					

Test Case Dynamic Behaviour

Test Case Name : ISS_TC_V_17_2_20

Group : CCNR/ASE/

Purpose : To verify that the timer TSUP is used correctly in case of interworking with a private network.

Notes:

1. The DLE sends a CCNRCancel invoke in TC-END request to the OLE without cancelCause in case of TSUP timer expiry.
2. The OLE sends a CCNRCancel invoke in TC-END request to the DLE without cancelCause in case of TSUP timer expiry.

Configuration : LocalCfg

Default : AnyOtherEventUnexpected

Comments : TITLE: Support of the interworking supervision timer TSUP

SUBTITLE: NONE

REFERENCE: 7.7.3.3.1; 7.7.3.3.2; 9.3 /Q.733.5

PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_20("Support of the interworking supervision timer TSUP")			
3		+Release_call_no_answer_at_B			
4		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrReque st invoke")		
5		START T_SUP			
6		?TIMEOUT T_SUP			
7		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	P	1.

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments :**

```
SPC      SPA      SPB (private network)
-----IAM-----> -----IAM----->
<-----ACM----- <-----ACM-----
(user at SPB no answer)
<-----REL----- <-----REL-----
-----RLC-----> -----RLC----->
... TCAP transaction ...
xxxTC_BEGIN_REQ--> xxTC_BEGIN_REQ-->
      SPB starts T_SUP and sends no
      CCNRRequest return result within T_SUP
      xxxTC_END_REQ---> TC_END_IND without CancelCause
```

1. Check that a TC_END without CancelCause is received.

Test Case Dynamic Behaviour					
Test Case Name : ISS_TC_V_17_2_21 Group : CCNR/ASE/ Purpose : To verify that if a call is attempted with a ACM without CCNR possible indicator, then no CCNR REQUEST shall be sent from the OLE to the DLE Configuration : LocalCfg Default : AnyOtherEventUnexpected Comments : TITLE: CCNR REQUEST not invoked SUBTITLE: NONE REFERENCE: 5.1.1.1.1/Q.733.5 PRETEST_CONDITIONS: Arrange the data in the IUT such that the calling user subscribes to the CCNR supplementary service.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+SS_TC_17_2_21("Set up a call which is released , no CCNR activation")			1.
3		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
4		LAB! S_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_BA(cic)		2.
5		LAB! S_REL	REL_BA(cic)		
6		LAB? R_RLC	RLC_AB(cic)		
7		+G_Verdict_A_PTC			
Detailed Comments : <div style="text-align: center;"> access SPA SPB -----setup-----> -----IAM-----> <-----ACM----- (no CCNR possible indicator) (no answer from SP B) <-----disconnect--- <-----REL----- </div>					

Continued on next page

*Continued from previous page***Test Case Dynamic Behaviour****Detailed Comments : ...**

-----RLC----->

-
1. The access side shouldn't activate CCNR.
 2. Do not answer the call and do not include CCNR possible indicator.

Test Step Dynamic Behaviour					
Test Step Name : Check_B_channel_release					
Group : Common_steps/					
Objective : To check that the current B channel is released at the Left side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication_A_PTC			
2		APH! ACCESS_REQ	S_DISC		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Leave_No_B_channel Group : Common_steps/ Objective : Leaves no free B-channels on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists calls set up until all B-channels are busy					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(TCV_count0 := 1)			
2		REPEAT call_setup UNTIL [TCV_count0 = TSP_maxB_channel]			
		call_setup			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		1.
5		ACH! CONN	S_CON_dss1(cr_in)		
6		(TCV_count0 := TCV_count0 + 1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_circuit_idle(CICNb:BIT_12) Group : Common_steps/ Objective : To check that the currently used circuit is idle again Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB! S_IAM	IAM_BA(CICNb)		
2		LAB? R_ACM	ACM_AB(CICNb)		
3		LAB? R_ANM	ANM_AB(CICNb)		
4		LAB! S_REL	REL_BA(CICNb)		
5		LAB? R_RLC	RLC_AB(CICNb)		
Detailed Comments : Note: This test step works only if all CICs in the PCM are bothway circuits.					

Test Step Dynamic Behaviour					
Test Step Name : Check_circuit_idle_I_PTC					
Group : Common_steps/					
Objective : To check that the currently used circuit is again idle					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC	(P) R	
2		LAC! S_ACM	ACM_CA(cic)		
3		LAC! S_ANM	ANM_CA(cic)		
4		LAC? R_REL	REL_AC(cic)		
5		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_circuit_idle_A_PTC					
Group : Common_steps/					
Objective : To check that the currently used circuit is again idle					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH? SETUPr	R_SETUP_dss1	(P)	
2		ACH! ALERT	S_ALERT_dss1(cr_in)		
3		ACH! CONN	S_CON_dss1(cr_in)		
4		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_communication Group : Common_steps/ Objective : To check if it is possible to communicate over the assigned circuit Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAB! TONE_REQ	S_COMM_TONE(cic)		
2		CAB? TONE_IND	R_COMM_TONE(cic)	(P)	
Detailed Comments : SPC SPA SPB <-----COMM_TONE----- <-----COMM_TONE----- -----COMM_TONE-----> -----COMM_TONE----->					

Test Step Dynamic Behaviour					
Test Step Name : Check_communication_I_PTC					
Group : Common_steps/					
Objective : To check if it is possible to communicate over the assigned circuit					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAC? TONE_IND	R_COMM_TONE(cic)	(P)	
2		CAC! TONE_REQ	S_COMM_TONE(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_communication_A_PTC					
Group : Common_steps/					
Objective : To check if it is possible to communicate over the assigned circuit					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		APH? ACCESS_TONE_IND	R_ACCESS_COMM_TONE	(P)	
2		APH! ACCESS_TONE_REQ	S_ACCESS_COMM_TONE		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_conf_communication_BA(cicnr:BIT_12) Group : Common_steps/ Objective : To check the propriety of the conference Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Wait_T_WAIT			1
2		CAB! TONE_REQ	S_CONF_COMM_TONE(cicnr)		
3		CAB? TONE_IND	R_CONF_COMM_TONE(cicnr)	(P)	
Detailed Comments : SPC SPA SPB <----CONF_COMM_TONE----<-----CONF_COMM_TONE----- -----CONF_COMM_TONE-----> -----CONF_COMM_TONE-----> 1. Allow for receiving notifications for all conferees before checking the propriety of conference.					

Test Step Dynamic Behaviour

Test Step Name : Check_conf_communication_AC(cicnr:BIT_12)

Group : Common_steps/

Objective : To check the propriety of the conference

Default : AnyOtherEventUnexpected_I_PTC

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAC? TONE_IND	R_CONF_COMM_TONE(cicnr)		
2		CAC! TONE_REQ	S_CONF_COMM_TONE(cicnr)	(P)	

Detailed Comments : SPC SPA SPB

<-----CONF_COMM_TONE-----<-----CONF_COMM_TONE-----

-----CONF_COMM_TONE----->-----CONF_COMM_TONE----->

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_AB					
Group : Common_steps/					
Objective : To check if a ringing tone can be heard at SP B					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAB? TONE_IND	R_RINGING_TONE(cic)	(P)	
2		[Interm]			
3		I_CP! CM_GO_AHEAD	CM_go_ahead		
4		[Local]			
5		A_CP! CM_GO_AHEAD	CM_go_ahead		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_BA Group : Common_steps/ Objective : To check if a ringing tone can be heard at SP C Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAB! TONE_REQ	S_RINGING_TONE(cic)		
2		I_CP? CM_GO_AHEAD	CM_go_ahead	(P)	
3		A_CP? CM_GO_AHEAD	CM_go_ahead	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_AC Group : Common_steps/ Objective : To check if a ringing tone can be heard at SP C Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAC? TONE_IND	R_RINGING_TONE(cic)	(P)	1.
2		I_CP! CM_GO_AHEAD	CM_go_ahead		2.
Detailed Comments : 1. Is ringing tone received from the far end? 2. YES					

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_AC_A_PTC Group : Common_steps/ Objective : To check if a ringing tone can be heard at SP C Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		APH? ACCESS_TONE_IND	R_ACCESS_RINGING_TO NE	(P)	1.
2		A_CP! CM_GO_AHEAD	CM_go_ahead		2.
Detailed Comments : 1. Is ringing tone received from the far end? 2. YES					

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_CA Group : Common_steps/ Objective : To check if a ringing tone can be heard at SP B Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CAC! TONE_REQ	S_RINGING_TONE(cic)		
2		I_CP? CM_GO_AHEAD	CM_go_ahead	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Check_ringing_tone_CA_A_PTC Group : Common_steps/ Objective : To check if a ringing tone can be heard at SP B Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		APH! ACCESS_TONE_REQ	S_ACCESS_RINGING_TO NE		1.
2		A_CP? CM_GO_AHEAD	CM_go_ahead	(P)	
Detailed Comments : 1. Only applicable if the TE generates the ringing tone					

Test Step Dynamic Behaviour					
Test Step Name : Check_MCID_Recordings (Instr : PrintableString) Group : Common_steps/ Objective : To communicate the tester what should be observed Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		MNT? MNT_IND	CHECK_MNT	(P)	1.
Detailed Comments : 1. Check the recordings regarding MCID in the local exchange.					

Test Step Dynamic Behaviour					
Test Step Name : Send_coordination					
Group : Common_steps/					
Objective : To send a coordination message to the left side					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		I_CP! CM_GO_AHEAD	CM_go_ahead		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Send_coordination_access					
Group : Common_steps/					
Objective : To send a coordination message to the left side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		A_CP! CM_GO_AHEAD	CM_go_ahead		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Wait_T_WAIT Group : Common_steps/ Objective : Wait for a period of time in order to avoid a rapid sequence of messages (events) – MTC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_WAIT			
2		?TIMEOUT T_WAIT		(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_ACM_etc_BA Group : Common_steps/ Objective : Continue by sending ACM towards IUT, etc. Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB! S_ACM	ACM_BA(cic)		
2		+S_ANM_etc_BA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_ACM_etc_AB					
Group : Common_steps/					
Objective : Continue by receiving ACM from IUT, etc.					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_ACM	ACM_AB(cic)	(P)	
2		+R_ANM_etc_AB			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_ACM_etc_CA					
Group : Common_steps/					
Objective : Continue by sending ACM towards the IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC! S_ACM	ACM_CA(cic)		
2		+S_ANM_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_ACM_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving ACM by SPC from IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_ACM	ACM_AC(cic)	(P)	
2		+R_ANM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_ANM_etc_BA					
Group : Common_steps/					
Objective : Continue by sending ANM towards IUT, etc.					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_BA	ANM_BA(cic)		
2		LAB! S_ANM			
3		+S_REL_etc_BA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_ANM_etc_AB					
Group : Common_steps/					
Objective : Continue by receiving ANM from IUT, etc.					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_AB	ANM_AB(cic)		
2		LAB? R_ANM			
3		+S_REL_etc_BA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_ANM_etc_CA					
Group : Common_steps/					
Objective : Continue by sending ANM towards IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_CA	ANM_CA(cic)		
2		LAC! S_ANM			
3		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_ANM_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving ANM from IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_AC	ANM_AC(cic)		
2		LAC? R_ANM			
3		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_REL_etc_BA					
Group : Common_steps/					
Objective : Continue by sending REL towards IUT, etc.					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication			
2		+G_Release_call			
3		+Check_circuit_idle(cic)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_REL_etc_AB Group : Common_steps/ Objective : Continue by receiving ANM from IUT, etc. Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication			
2		LAB? R_REL	REL_AB(cic)		
3		LAB! S_RLC	RLC_BA(cic)		
4		+Check_circuit_idle(cic)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_REL_etc_CA					
Group : Common_steps/					
Objective : Continue by sending REL towards IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication_I_PTC	REL_CA(cic) RLC_AC(cic)		
2		LAC! S_REL			
3		LAC? R_RLC			
4		+Check_circuit_idle_I_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_REL_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving REL from IUT, etc.					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication_I_PTC	REL_AC(cic) RLC_CA(cic)		1.
2		LAC? R_REL			
3		LAC! S_RLC			
4		+Check_circuit_idle_I_PTC			
Detailed Comments : 1. The REL message may contain user-to-user information IE.					

Test Step Dynamic Behaviour					
Test Step Name : S_ALERT_etc_CA					
Group : Common_steps/					
Objective : Continue by sending ALERT towards the IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH! ALERT	S_ALERT_dss1(cr_in)		
2		+S_CONNECT_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_ALERT_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving ALERT from IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH? ALERTr	R_ALERT_dss1(TSV_CRE F1)		
2		+R_CONNECT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_CONNECT_etc_CA					
Group : Common_steps/					
Objective : Continue by sending CONNECT towards the IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_CA_A_PTC	S_CON_dss1(cr_in)		
2		ACH! CONN			
3		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_CONNECT_with_CN_CA					
Group : Common_steps/					
Objective : Continue by sending CONNECT towards the IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_CA_A_PTC	S_CON_dss1_with_CN(cr_in)		
2		ACH! CONN			
3		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_CONNECT_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving CONNECT from IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_ringing_tone_AC_A_PTC	R_CON_dss1(TSV_CREF 1)		
2		ACH? CONNr			
3		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : S_DISC_etc_CA					
Group : Common_steps/					
Objective : Continue by sending DISC towards IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication_A_PTC	S_DISC_dss1(cr_in)		
2		ACH! DISC			
3		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : R_DISC_etc_AC					
Group : Common_steps/					
Objective : Continue by receiving DISC from IUT, etc.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Check_communication_A_PTC	R_DISC_dss1(cr_in)		
2		ACH? DISCr			
3		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : DSS1_Preamble Group : DSS1_access_steps/ Objective : To bring the IUT to the state N0. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+INIT_VARIABLES			(1)
2		ACH!DL_REL_RQ START T_AC			layer2 release
3		ACH?DL_REL_CO CANCEL T_AC, START TNOAC		(P)	UA or DM received; layer 2 released
4		ACH?DL_EST_IN CANCEL TNOAC		(P)	SABME received
5		?TIMEOUT TNOAC			
6		ACH!DL_EST_RQ START T_AC			re-establishment
7		ACH?DL_EST_CO CANCEL T_AC		(P)	UA received; data link established
8		ACH?DL_REL_IN		I	DM received; IUT still busy
9		?TIMEOUT T_AC		I	no response
10		ACH?OTHERWISE		I	invalid event
11		ACH?OTHERWISE		I	invalid event
12		?TIMEOUT T_AC		I	no response
13		ACH?OTHERWISE		I	invalid event
		INIT_VARIABLES			
14		[TSV_BASIC]			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		(TSV_CREF1:='0000001'B, TSV_GLOBCREF:='0000000'B, TSV_BCHNUM1:='10001001'B)			
16		[NOT TSV_BASIC]			
17		(TSV_CREF1:='0000000000000001'B, TSV_GLOBCREF:='0000000000000000'B, TSV_BCHNUM1:='10001001'B)			
Detailed Comments : The layer 2 of the IUT must have a TEI assigned value before the execution of this preamble. The procedure to assign the TEI value to the IUT is matter for the test laboratory. The layer 2 of the IUT must have a TEI assigned value before the execution of this preamble. The procedure to assign the TEI value to the IUT is matter for the test laboratory. (1) The local subtree INIT_VARIABLES is used to assign initial values to test case variables taking into account the used interface configuration.					

Test Step Dynamic Behaviour					
Test Step Name : Access_setup Group : DSS1_access_steps/ Objective : Setup a DSS1 call Default : ACCESS_DEF Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+DSS1_Preamble			
2		ACH! SETUP	S_SETUP_dss1		
3		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		valid SETUP_ACK
4		ACH?CALL_PROCr	R_CALL_PROC_dss1		valid CALL_PROC
Detailed Comments :					

Test Step Dynamic Behaviour						
Test Step Name : A_access_CCBS_Activation_AB						
Group : DSS1_access_steps/						
Objective :						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_s_CCBSRe quest_invoke (CCBS activation request CCBSRequest inv. component	
2		ACH? FACr	TCV_inv_id, TCV_call_link_id)) R_FACILITY_dss1_comp(cr_in, c_Component_CCBSRequ est_return_result (CCBS activation response CCBSRequest return result component
3		ACH! RELdss1	TCV_inv_id)) S_REL_dss1(cr_in)			
4		ACH? REL_COMr	R_REL_COMP_dss1			
Detailed Comments :						

Test Step Dynamic Behaviour					
Test Step Name : A_access_CCBS_Invocation_AB Group : DSS1_access_steps/ Objective : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSta tusRequest_invoke (TSV_CCBSREF))		CCBS recall request CCBSStatusReque st invoke component
2		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSSstatu sRequest_ReturnResult (TCV_inv_id, TSC_FREE))		CCBS recall response CCBSStatusReque st return result component indicating "free"
3		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSRe moteUserFree_invoke (TSV_CCBSREF))		CCBSRemoteUserF ree invoke component
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_access_CCBS_ACT_NOT_REL_BA Group : DSS1_access_steps/ Objective : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSta tusRequest_invoke (TSV_CCBSREF))		CCBSStatusReque st inv. component
2		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSSstatu sRequest_ReturnResult (TCV_inv_id, TSC_BUSY))		CCBSStatusReque st return result component indicating "busy"
3		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSta tusRequest_invoke (TSV_CCBSREF))		CCBSStatusReque st inv. component
4		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSSstatu sRequest_ReturnResult (TCV_inv_id, TSC_FREE))		CCBSStatusReque st return result component indicating "free"
5		START T_CCBS_T8			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		? TIMEOUT T_CCBS_T8			Wait for T8 timer to expire
7		ACH? FACr	R_FACILITY_dss1_comp(cr_in2, c_Component_r_CCBSStatusRequest_invoke (TSV_CCBSREF))		CCBSStatusRequest inv. component
8		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSStatusRequest_ReturnResult (TCV_inv_id, TSC_FREE))		CCBSStatusRequest return result component indicating "free"
9		ACH ? OTHERWISE		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_access_CCBS_ACT_INV_BA Group : DSS1_access_steps/ Objective : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSta tusRequest_invoke (TSV_CCBSREF))		CCBSStatusReque st inv. component
2		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSSstatu sRequest_ReturnResult (TCV_inv_id, TSC_BUSY))		CCBSStatusReque st return result component indicating "busy"
3		ACH! RELdss1	S_REL_dss1_17(cr_in)		
4		ACH? REL_COMr	R_REL_COMP_dss1		
5		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_Component_r_CCBSSta tusRequest_invoke (TSV_CCBSREF))		CCBSStatusReque st inv. component

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSStatusRequest_ReturnResult (TCV_inv_id, TSC_FREE))		CCBSSStatusRequest return result component indicating "free"
7		START T_CCBS_T8			
8		? TIMEOUT T_CCBS_T8			Wait for T8 timer to expire
9		ACH? FACr	R_FACILITY_dss1_comp(cr_in2, c_Component_r_CCBSStatusRequest_invoke (TSV_CCBSREF))		CCBSSStatusRequest inv. component
10		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_Component_CCBSStatusRequest_ReturnResult (TCV_inv_id, TSC_FREE))		CCBSSStatusRequest return result component indicating "free"
11		ACH ? OTHERWISE		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Preamble Group : Generic/ Objective : To start the testcase guard timer T_GUARD Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(TCV_otherCC:=FALSE)			1.
2		START T_GUARD		(P)	
Detailed Comments : 1. International numbers will be assembled by default with the network's own country code.					

Test Step Dynamic Behaviour					
Test Step Name : SS_r_setup_0 (Instr : PrintableString) Group : Generic/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_r_setup_0)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_r_setup_0 Group : Generic/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_s_setup_0(Instr : PrintableString) Group : Generic/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_s_setup_0)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_s_setup_0					
Group : Generic/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : G_initiate_setup Group : Generic/ Objective : Initiates an ISUP call set up Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_initiate_setup)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_initiate_setup					
Group : Generic/					
Objective : Initiates an ISUP call set up					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : G_assist_setup					
Group : Generic/					
Objective : Assists an ISUP call set up					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists an ordinary incoming speech call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_assist_setup)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_assist_setup Group : Generic/ Objective : Assists an ISUP call set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a responder which assists an ordinary incoming speech call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+Check_communication_I_PTC			
7		LAC? R_REL	REL_AC(cic)		
8		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : G_A_no_setup (Instr : PrintableString) Group : Generic/ Objective : No call is set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which doesn't assist call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_no_setup)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_no_setup Group : Generic/ Objective : No call is set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which doesn't assist call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Wait_T_WAIT			1.
Detailed Comments : 1. Wait for some events, nothing should happen.					

Test Step Dynamic Behaviour					
Test Step Name : G_T_no_setup (Instr : PrintableString) Group : Generic/ Objective : No non-ISUP call is set up Default : AnyOtherEventUnexpected Comments : Dispatches the responder which doesn't assists call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (T_PTC:T_no_setup)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : T_no_setup Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Wait_T_WAIT			1.
Detailed Comments : 1. Wait for some event, nothing should happen.					

Test Step Dynamic Behaviour					
Test Step Name : G_Release_call					
Group : Generic/					
Objective : To release the established call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB! S_REL	REL_BA(cic)		1.
2		LAB? R_RLC	RLC_AB(cic)		
Detailed Comments : 1. The REL message may contain user-to-user information IE.					

Test Step Dynamic Behaviour					
Test Step Name : G_Verdict_I_PTC Group : Generic/ Objective : To get the verdict from the ISUP PTC for final verdict computation Default : AnyOtherEventUnexpected_I_PTC Comments : Waits for the verdict from the ISUP parallel test component					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		?DONE(I_PTC)		R	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : G_Verdict_A_PTC Group : Generic/ Objective : To get the verdict from the access PTC for final verdict computation Default : AnyOtherEventUnexpected_A_PTC Comments : Waits for the verdict from the access parallel test component					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		?DONE(A_PTC)		R	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : G_Verdict_T_PTC Group : Generic/ Objective : To get the verdict from the NON-ISUP PTC for final verdict computation Default : AnyOtherEventUnexpected_I_PTC Comments : Waits for the verdict from the ISUP parallel test component					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		?DONE(T_PTC)		R	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : M_coordinate Group : Generic/ Objective : To initiate the 2nd call after the 1st has been put on hold Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		I_CP? CM_GO_AHEAD	CM_go_ahead		1.
2		A_CP! CM_GO_AHEAD	CM_go_ahead		2.
Detailed Comments : 1. Receive a coordination message after the 1st call has been put on hold. 2. Send a coordination message to start initiation of the 2nd call.					

Test Step Dynamic Behaviour					
Test Step Name : M_assist_setup Group : Generic/ Objective : To assist call setup Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_1,A_PTC:A_initiate_setup_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		ACH! ACCESS_REQ	S_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Assist 1st call set up from SPC. 2. Answer the call on the 1st B-channel. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		
5		ACH? ACCESS_IND	R_CONNECT		2.
6		ACH! ACCESS_REQ	S_FACILITY		3.
7		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate 2nd call to SPB (TSP_Nb_B). 2. The 2nd call on the 2nd B-channel is answered. 3. Activate the call transfer.					

Test Step Dynamic Behaviour					
Test Step Name : M_assist_setup_alert					
Group : Generic/					
Objective : To assist call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_alert_1,A_PTC:A_initiate_setup_alert_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_alert_1 Group : Generic/ Objective : To assist call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		ACH! ACCESS_REQ	S_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Assist the 1st call set up from SPC on the 1st B-channel. 2. Answer the call. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_2 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate the 2nd call to SPB (TSP_Nb_B) on the 2nd B-channel. 2. Activate the call transfer during alerting.					

Test Step Dynamic Behaviour					
Test Step Name : M_assist_setup_alert_UUS1					
Group : Generic/					
Objective : To assist call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_alert_UUS1,A_PTC:A_initiate_setup_alert_UUS1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_alert_UUS1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		ACH! ACCESS_REQ	S_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Assist 1st call set up from SPC. 2. Answer the call on the 1st B-channel. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_UUS1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		2.
5		ACH! ACCESS_REQ	S_FACILITY		3.
6		START T_WAIT			
7		ACH? ACCESS_IND	R_DISC	(P)	4.
8		?TIMEOUT T_WAIT		P	4.
Detailed Comments : 1. Initiate a 2nd call to SPB (TSP_Nb_B) on the 2nd B-channel with a UUInf information element. 2. Receive an Alerting message with a UUInf information element. 3. Activate the call transfer during alerting. 4. The verdict is PASS only if there is no UUInf information element received in any access message.					

Test Step Dynamic Behaviour					
Test Step Name : M_assist_setup_alert_UUS2					
Group : Generic/					
Objective : To assist call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_alert_UUS2,A_PTC:A_initiate_setup_alert_UUS2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_alert_UUS2 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		ACH! ACCESS_REQ	S_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Assist 1st call set up from SPC. 2. Answer the call on the 1st B-channel. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_UUS2 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		2.
5		ACH? ACCESS_IND	R_INFO		3.
6		ACH! ACCESS_REQ	S_FACILITY		4.
7		START T_WAIT			
8		ACH? ACCESS_IND	R_DISC	(P)	5.
9		?TIMEOUT T_WAIT		P	5.
Detailed Comments : 1. Initiate a 2nd call to SPB (TSP_Nb_B) on the 2nd B-channel with a UUS2 request. 2. Receive an Alerting message, with acceptance of the UUS2 service. 3. Receive UUInf sent in the 1st USR message. 4. Activate the call transfer during alerting. 5. The verdict is PASS only if there is no UUInf information element received in any access message from the 2nd USR message.					

Test Step Dynamic Behaviour					
Test Step Name : M_assist_setup_alert_UUS3					
Group : Generic/					
Objective : To assist call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_alert_UUS3,A_PTC:A_initiate_setup_alert_UUS3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_alert_UUS3 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		2.
4		ACH! ACCESS_REQ	S_CONNECT		3.
5		ACH! ACCESS_REQ	S_INFO		4.
6		ACH? ACCESS_IND	R_INFO		5.
7		START T_WAIT			
8		ACH? ACCESS_IND	R_DISC	(P)	6.
9		?TIMEOUT T_WAIT		P	6.
Detailed Comments : 1. Assist 1st call set up from SPC with a UUS3 request. 2. Send an Alerting message, with acceptance of the UUS3 service. 3. Answer the call on the 1st B-channel. 4. Hold the 1st call. 5. Receive UUInf sent in the 1st USR message. 6. The verdict is PASS only if there is no UUInf information element received in any access message from the 2nd USR message.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_UUS3 Group : Generic/ Objective : To assist call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate a 2nd call to SPB (TSP_Nb_B) on the 2nd B-channel . 2. Activate the call transfer during alerting.					

Test Step Dynamic Behaviour					
Test Step Name : M_initiate_setup					
Group : Generic/					
Objective : To initiate call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_initiate_setup_1_1,A_PTC:A_initiate_setup_2_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_1_1 Group : Generic/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		1.
3		ACH? ACCESS_IND	R_ALERT		
4		ACH? ACCESS_IND	R_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate 1st call to SPC (TSP_Nb_C). 2. The 1st call is answered. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		
5		ACH? ACCESS_IND	R_CONNECT		2.
6		ACH! ACCESS_REQ	S_FACILITY		3.
7		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate 2nd call to SPB (TSP_Nb_B). 2. The 2nd call is answered. 3. Activate the call transfer.					

Test Step Dynamic Behaviour					
Test Step Name : M_initiate_setup_alert					
Group : Generic/					
Objective : To initiate call setup					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_initiate_setup_1_1,A_PTC:A_initiate_setup_2_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_1_1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		1.
3		ACH? ACCESS_IND	R_ALERT		
4		ACH? ACCESS_IND	R_CONNECT		2.
5		ACH! ACCESS_REQ	S_INFO		3.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate 1st call to SPC (TSP_Nb_C). 2. The 1st call is answered. 3. Hold the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_alert_2_1 Group : Generic/ Objective : Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACH! ACCESS_REQ	S_SETUP		1.
4		ACH? ACCESS_IND	R_ALERT		
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Initiate 2nd call to SPB (TSP_Nb_B). 2. Activate the call transfer.					

Test Step Dynamic Behaviour					
Test Step Name : Active_call_AB Group : Generic/ Objective : To setup a call from SPA to SPB Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
2		LAB! S_ACM	ACM_BA(cic)		
3		+Check_ringing_tone_BA			
4		LAB! S_ANM	ANM_BA(cic)		
5		+Check_communication			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Active_call_BA Group : Generic/ Objective : To set up a call from SPB to SPA Default : AnyOtherEventUnexpected Comments : Continues setting up a call from SPB to SPA					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_ACM	ACM_AB(cic)		
2		+Check_ringing_tone_AB			
3		LAB? R_ANM	ANM_AB(cic)		
4		+Check_communication			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Active_call_AC Group : Generic/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_call_AC)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_call_AC Group : Generic/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+Check_communication_I_PTC			
7		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(cic)	(P)	
8		+Check_conf_communication_AC(cic)			
9		LAC? R_REL	REL_AC(cic)		
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Active_call_PSTN Group : Generic/ Objective : To setup a call to a PSTN subscriber: left tester Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		I_CP! CM_GO_AHEAD	CM_go_ahead	(P)	
Detailed Comments : 1. Use PSTN message flow to setup an active call to a ISDN subscriber 2. Is in-band information provided to the PSTN subscriber in case of call HOLD ?					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_1(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_1					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_2(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_2					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_no_cgpn_sub	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_3(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_3					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_cgpn_upvp	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_4(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_4					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_cgpn_upv p_sub	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_5(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_5					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_gn_upnv		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_6(Instr : PrintableString) Group : S_CLIP/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_1_6					
Group : S_CLIP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_gn_upnv_sub		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_7_a Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_7_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_7_a					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_7_b Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_7_b					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_8 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_8					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_9 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_9					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_10 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_10					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_APRI2(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_11 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_11					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb_A PRI2(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_12 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_12					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.NatAdrl:=national)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_13 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_13					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb_AdSg(cic,TSO_s_fwd(TSP_Nb_C_default),TSO_s_fwd(TSP_GenNb_C),TSO_s_fwd_NatAdrl())		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_14 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_14)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_14					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_AdSg(cic , TSP_Nb_C_incomplete, national)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.CgPNII:=incomplete)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_15					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_15)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_15					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_AdSg(cic , TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_16					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_16)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_16					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb_AdSg(cic,TSO_s_fwd(TSP_Nb_C_default),TSO_s_fwd(TSP_GenNb_C),TSO_s_fwd_NatAdrl())		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_17					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_17)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_17					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_AdSg(cic , TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		
2		(cic := TSP_CIC_L)			
3		(TCV_otherCC:=TRUE)			
4		LAC! S_IAM			
5		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_18 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_18)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_18					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_APRI2(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_19 Group : S_CLIP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_1_19)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_1_19					
Group : S_CLIP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_1(Instr : PrintableString)					
Group : S_CLIR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_2(Instr : PrintableString)					
Group : S_CLIR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_3(Instr : PrintableString)					
Group : S_CLIR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_4(Instr : PrintableString)					
Group : S_CLIR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_5(Instr : PrintableString) Group : S_CLIR/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_6(Instr : PrintableString) Group : S_CLIR/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_1_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_7_a Group : S_CLIR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_2_7_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_2_7_a					
Group : S_CLIR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_7_b Group : S_CLIR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_2_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_2_7_b					
Group : S_CLIR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B, S_IAM.isup_pdu.GenNb.APRI:='01'B)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_8 Group : S_CLIR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_2_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_2_8					
Group : S_CLIR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_9					
Group : S_CLIR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_2_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_2_9					
Group : S_CLIR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CgPN_GenNb(cic)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CgPN.APRI:='01'B, S_IAM.isup_pdu.GenNb.APRI:='01'B)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_10 (Instr : PrintableString) Group : S_CLIR/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_2_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_2_10					
Group : S_CLIR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1	(P)	
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		+S_ALERT_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_11 (Instr : PrintableString)					
Group : S_CLIR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_2_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_1(Instr : PrintableString)					
Group : S_COLP/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_1					
Group : S_COLP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_2_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_2_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_2_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb(cic)		
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_2_b					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_2_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_2_b Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA_ConNb(cic, TSP_Nb_C, national)		
6		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_2_c					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_2_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_2_c Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_CON	CON_CA_ConNb(cic, TSO_s_bwd(TSP_Nb_C), TSO_s_bwd_NatAdrl())		
4		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_3_a					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters. Receive the converted connected number.					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_3_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_3_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters. Receive the converted connected number. Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_AdSg(cic,TSO_r_bwd(TSP_Nb_B),TSO_r_bwd_NatAdrl())	(P)	1.
7		+R_REL_etc_AC			
Detailed Comments : 1. ConNb.AdSg: TSP_Nb_B.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_3_b					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_3_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_3_b Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON [R_CON.isup_pdu.ConNb.NatAdrl=national]	CON_AC_ConNb_AdSg(cic,TSO_r_bwd(TSP_Nb_B),TSO_r_bwd_NatAdrl())	(P)	1.
5		+R_REL_etc_AC			
Detailed Comments : 1. ConNb.AdSg: TSP_Nb_B.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_4_a					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_4_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_4_a Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:=’1’B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_GenNb _AdSg(cic,TSO_r_bwd(TS P_Nb_B_default),TSO_r_b wd(TSP_GenNb_B), TSO_r_bwd_NatAdrl())	(P)	1.
7		+R_REL_etc_AC			
Detailed Comments : 1. ConNb.AdSg: TSP_Nb_B_default addConNb in the GenNb.AdSg: TSP_GenNb_B					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_4_b					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_4_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_4_b Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_OFCl(cic)		
4		(S_IAM.isup_pdu.OFCl.COLRql:= '1'B)			
5		LAC? R_CON	CON_AC_ConNb_GenNb_AdSg(cic,TSO_r_bwd(TSP_GenNb_B),TSO_r_bwd_NatAdrl())	(P)	1.
		+R_REL_etc_AC			
Detailed Comments : 1. ConNb.AdSg: TSP_Nb_B_default; addConNb in the GenNb.AdSg: TSP_GenNb_B.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_5_a					
Group : S_COLP/					
Objective : Initiates a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_5_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_5_a Group : S_COLP/ Objective : Initiates a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_AdSg(cic, TSO_hex_3strcat(TSP_prefix,TSP_foreignCC, TSP_Nb_B), unknown_num)	(P)	1.
7		+R_REL_etc_AC			
Detailed Comments : 1. Prefix + foreignCC + Number					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_5_b					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_5_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_5_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_OFCl(cic)		
4		(S_IAM.isup_pdu.OFCl.COLRql:='1'B)			
5		LAC? R_CON	CON_AC_ConNb_AdSg(cic, TSO_hex_3strcat(TSP_prefix,TSP_foreignCC, TSP_Nb_B), unknown_num)	(P)	1.
5		+R_REL_etc_AC			
Detailed Comments : 1. Prefix + foreignCC + Number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_6_a					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_6_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_6_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_NO_ConNb(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_6_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_6_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_NO_ConNb(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_7_a					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_7_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_7_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_NO_GenNb(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_7_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_7_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_NO_GenNb(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_8_a					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_8_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_8_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_APRI2(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_8_b					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_8_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_8_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_ConNb_APRI2(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_9_a					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_9_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_9_a Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_AdSg(cic,TSO_r_bwd(TSP_Nb_B), TSO_r_bwd_NatAdrl())	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_9_b					
Group : S_COLP/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_9_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_9_b Group : S_COLP/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_ConNb_AdSg(cic,TSO_r_bwd(TSP_Nb_B),TSO_r_bwd_NatAdrl())	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_10b (Instr : PrintableString) Group : S_COLP/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates outgoing call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_10b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_10b					
Group : S_COLP/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_CON_dss1(cr_in)		
2		ACH! SETUP(cr_in :=TSV_CREF1)			
3		ACH? CONNr			
4		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_10_c					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_10_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_10_c Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_NO_OFCl		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA_ConNb(cic, TSO_s_bwd(TSP_Nb_C), TSO_s_bwd_NatAdrl())		1.
6		+R_REL_etc_AC			
Detailed Comments : 1. Send the unsolicited COL.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_10_d Group : S_COLP/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_3_10_d)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3_10_d					
Group : S_COLP/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_NO_OFCl		
3		LAC! S_CON	CON_CA_ConNb(cic, TSO_s_bwd(TSP_Nb_C), TSO_s_bwd_NatAdrl())		
4		+R_REL_etc_AC			
Detailed Comments : 1. Send the unsolicited COL.					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_11a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_11a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_11a Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_with_CN(cr_in)		
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_11b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_11b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_11b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_CN(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_12a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_12a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_12a Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_with_SUB(c r_in)		
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_12b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_12b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_12b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_SUB(c r_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_13a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_13a Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		+S_ALERT_etc_CA			
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		+Check_ringing_tone_CA_A_PTC			
7		ACH! CONN	S_CON_dss1_with_CN_N P(cr_in)		
8		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_13b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_13b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_CN_N P(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_14a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_14a Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		+S_ALERT_etc_CA			
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		+Check_ringing_tone_CA_A_PTC			
7		ACH! CONN	S_CON_dss1_with_NP_S UB(cr_in)		
8		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_14b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_14b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_NP_S UB(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_15a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_15b (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_16a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_16b (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_17a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_17a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_17a Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		+S_ALERT_etc_CA			
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		+Check_ringing_tone_CA_A_PTC			
7		ACH! CONN	S_CON_dss1(cr_in)		
8		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_17b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_17b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_17b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_18a (Instr : PrintableString)					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_18a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_18a					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1		
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		+S_ALERT_etc_CA	S_ALERT_dss1(cr_in)		
5		ACH! ALERT			
6		+Check_ringing_tone_CA_A_PTC	S_CON_dss1_with_MSN(cr_in)		
7		ACH! CONN			
8		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_3_18b (Instr : PrintableString) Group : S_COLP/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_18b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_3_18b					
Group : S_COLP/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_MSN(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_1a(Instr : PrintableString)					
Group : S_COLR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_1a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_1a					
Group : S_COLR/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)	(P)	
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_1b(Instr : PrintableString) Group : S_COLR/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_1b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_1b					
Group : S_COLR/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? CONNr	R_CON_dss1(cr_in)	(P)	
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_2a(Instr : PrintableString)					
Group : S_COLR/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_2a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_2a					
Group : S_COLR/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1_any_connb	(P)	
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_2b(Instr : PrintableString) Group : S_COLR/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_2b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_2b					
Group : S_COLR/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? CONNr	R_CON_dss1_any_connb	(P)	
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_3_a					
Group : S_COLR/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_3_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_3_a Group : S_COLR/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B)	ANM_CA_ConNb_AdSg(cic,TSO_s_bwd(TSP_Nb_C), TSO_s_bwd_NatAdrl())		1.
6		+R_REL_etc_AC			
Detailed Comments : 1. ConNb					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_3_b					
Group : S_COLR/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_3_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_3_b Group : S_COLR/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B)	CON_CA_ConNb(cic,TSO_s_bwd(TSP_Nb_C), TSO_s_bwd_NatAdrl())		1.
4		+R_REL_etc_AC			
Detailed Comments : 1. ConNb and add.ConNb in GenNb					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_3_c					
Group : S_COLR/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_3_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_3_c Group : S_COLR/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM (S_ANM.isup_pdu.ConNb.APRI:='01'B, S_ANM.isup_pdu.GenNb.APRI:='01'B)	ANM_CA_ConNb_GenNb _AdSg(cic,TSO_s_bwd(TS P_Nb_C_default),TSO_s_ bwd(TSP_GenNb_C), TSO_s_bwd_NatAdrl())		1.
6		+R_REL_etc_AC			
Detailed Comments : 1. ConNb and add.ConNb in GenNb					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_3_d					
Group : S_COLR/					
Objective : Assist a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_3_d)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_3_d Group : S_COLR/ Objective : Assist a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [R_IAM.isup_pdu.OFCI.COLRql='1'B] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_OFCI		
3		LAC! S_CON (S_CON.isup_pdu.ConNb.APRI:='01'B, S_CON.isup_pdu.GenNb.APRI:='01'B)	CON_CA_ConNb_GenNb _AdSg(cic,TSO_s_bwd(TS P_Nb_C_default),TSO_s_ bwd(TSP_GenNb_C), TSO_s_bwd_NatAdrl())		1.
4		+R_REL_etc_AC			
Detailed Comments : 1. ConNb and add.ConNb in GenNb					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_4_a					
Group : S_COLR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_4_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_4_a Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_NO_ConNb(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_4_b Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_4_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_4_b Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_NO_ConNb(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_5_a					
Group : S_COLR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_5_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_5_a Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_NO_GenNb(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_5_b Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_5_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_5_b Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_NO_GenNb(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_6_a					
Group : S_COLR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_6_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_6_a Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:='1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_ConNb_APRI2(cic)	(P)	
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_6_b					
Group : S_COLR/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_4_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_4_6_b Group : S_COLR/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.COLRql:= '1'B)	IAM_CA_OFCI(cic)		
4		LAC? R_CON	CON_AC_ConNb_APRI2(cic)	(P)	
5		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_7a (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_7a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_7a Group : S_COLR/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_with_CN(cr_in)		
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_7b (Instr : PrintableString) Group : S_COLR/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_4_7b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_4_7b					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up without alerting phase					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_with_CN(cr_in)		
2		+DSS1_Preamble			
3		ACH? SETUPr			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_8a (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_12a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_8b (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_12b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_9a (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_9b (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_13b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_10a (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_4_10b (Instr : PrintableString)					
Group : S_COLR/					
Objective : Assists a call set up on the access side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_3_14b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_1					
Group : S_TP/					
Objective : Initiate an ISDN speech call, initiate suspend/resume					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_1 Group : S_TP/ Objective : Initiate an ISDN speech call, initiate suspend/resume Default : AnyOtherEventUnexpected_A_PTC Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		ACH! RESUME	S_RES_dss1(cr_in)		
11		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_2					
Group : S_TP/					
Objective : Initiate an ISDN speech call, assist suspend/resume					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_2 Group : S_TP/ Objective : Initiate an ISDN speech call, assist suspend/resume Default : AnyOtherEventUnexpected_A_PTC Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? SUSr	R_SUS_dss1	(P)	
9		+R_DISC_etc_AC			
10		+Wait_T_WAIT			
11		A_CP! CM_GO_AHEAD	CM_go_ahead		
12		ACH? RESr	R_RES_dss1	(P)	
13		A_CP! CM_GO_AHEAD	CM_go_ahead		
14		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_3					
Group : S_TP/					
Objective : Initiate an ISDN speech call, send suspend					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_3 Group : S_TP/ Objective : Initiate an ISDN speech call, send suspend Default : AnyOtherEventUnexpected_A_PTC Comments : Initiate an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		ACH? DISCr	R_DISC_dss1_102	(P)	
10		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_4_a					
Group : S_TP/					
Objective : Initiate an ISDN speech call and suspend it					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_4_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_4_a Group : S_TP/ Objective : Initiate an ISDN speech call and suspend it Default : AnyOtherEventUnexpected_A_PTC Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_4_b					
Group : S_TP/					
Objective : Initiate an ISDN speech call, suspend and release it					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_4_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_4_b Group : S_TP/ Objective : Initiate an ISDN speech call, suspend and release it Default : AnyOtherEventUnexpected_A_PTC Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_5					
Group : S_TP/					
Objective : Initiate an ISDN speech call and suspend it					
Default : AnyOtherEventUnexpected					
Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_5_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_5_5 Group : S_TP/ Objective : Initiate an ISDN speech call and suspend it Default : AnyOtherEventUnexpected_I_PTC Comments : Initiate an ISDN speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC! S_SUS (S_SUS.isup_pdu.SusRes.SusResl:='0'B)	SUS_CA(cic)		1.
9		+Wait_T_WAIT			
10		LAC! S_RES (S_RES.isup_pdu.SusRes.SusResl:='0'B)	RES_CA(cic)		2.
11		+R_REL_etc_AC			
Detailed Comments : 1. Suspend the call . 2. Resume the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_6					
Group : S_TP/					
Objective : Assist an ISDN speech call, suspend and resume it					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_5_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_5_6 Group : S_TP/ Objective : Assist an ISDN speech call, suspend and resume it Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an ISDN speech call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+Check_communication_I_PTC			
7		LAC! S_SUS (S_SUS.isup_pdu.SusRes.SusResl:='0'B)	SUS_CA(cic)		1.
8		+Wait_T_WAIT			
9		LAC! S_RES (S_RES.isup_pdu.SusRes.SusResl:='0'B)	RES_CA(cic)		2.
10		+R_REL_etc_AC			
Detailed Comments : 1. Suspend the call. 2. Resume the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_7					
Group : S_TP/					
Objective : Assist an ISDN speech call, suspend and resume it					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_7 Group : S_TP/ Objective : Assist an ISDN speech call, suspend and resume it Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? SUSr	R_SUS_dss1	(P)	
9		+Wait_T_WAIT			
10		A_CP! CM_GO_AHEAD	CM_go_ahead		
11		ACH? RESr	R_RES_dss1	(P)	
12		A_CP! CM_GO_AHEAD	CM_go_ahead		
13		+R_DISC_etc_AC			
Detailed Comments : 1. Suspend the call, verdict is passed if the user is informed. 2. Resume the call, verdict is passed if the user is informed.					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_8					
Group : S_TP/					
Objective : Assist an ISDN speech call, suspend and resume it					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_8)			
Detailed Comments : 1					

Test Step Dynamic Behaviour					
Test Step Name : A_5_8 Group : S_TP/ Objective : Assist an ISDN speech call, suspend and resume it Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		ACH! RESUME	S_RES_dss1(cr_in)		
11		+R_DISC_etc_AC			
Detailed Comments : 1. Suspend the call 2. Resume the call					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_9					
Group : S_TP/					
Objective : Assist an ISDN speech call, suspend and resume it					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_5_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_5_9 Group : S_TP/ Objective : Assist an ISDN speech call, suspend and resume it Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+Check_communication_I_PTC			
7		LAC! S_SUS (S_SUS.isup_pdu.SusRes.SusRes!:= '0'B)	SUS_CA(cic)		1.
8		+Wait_T_WAIT			
9		LAC! S_RES (S_RES.isup_pdu.SusRes.SusRes!:= '0'B)	RES_CA(cic)		2.
10		I_CP! CM_GO_AHEAD	CM_go_ahead		
11		+R_REL_etc_AC			
Detailed Comments : 1. Suspend the call 2. Resume the call					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_10					
Group : S_TP/					
Objective : UUS3 request while the call is suspended					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_10 Group : S_TP/ Objective : UUS3 request while the call is suspended Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 3, TRUE))		2.
11		ACH! RESUME	S_RES_dss1(cr_in)		
12		+R_DISC_etc_AC			
Detailed Comments : 1. Suspend the call. 2. Send FACILITY message with UUS 3 request. 3. Resume the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_5_11					
Group : S_TP/					
Objective : Initiate an ISDN speech call, suspend and resume it					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_5_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_5_11 Group : S_TP/ Objective : Initiate an ISDN speech call, suspend and resume it Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! SUSPEND	S_SUS_dss1(cr_in)		
9		+Wait_T_WAIT			
10		+R_DISC_etc_AC			
Detailed Comments : 1. Suspend the call. 2. Resume the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_1(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_1					
Group : S_UUS1/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uuinf		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)	(P)	
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_2a(Instr : PrintableString) Group : S_UUS1/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_2_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_2_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_2_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_UUInf(cic)		
4		LAC? R_ACM	ACM_AC_UUInf(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_UUInf(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_REL	REL_AC_UUInf(cic)		
9		LAC! S_RLC	RLC_CA(cic)		
10		+Check_circuit_idle_I_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_3a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_3a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_3a					
Group : S_UUS1/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uuinf R_ALERT_dss1_uus(c_UU S_return_error (TCV_inv_id, rejectedByNetwork)) R_CON_dss1(cr_in)		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr			
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_3_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and receive 'discarded' notification					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_3_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_3_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and receive 'discarded' notification Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_UUInf(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.NtwDI='1'B)]	ACM_AC_UUInd(cic)	(P)	1.
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_REL	REL_AC(cic)		
9		LAC! S_RLC	RLC_CA(cic)		
10		+Check_circuit_idle(cic)			
Detailed Comments : 1. Receive ACM with user-to-user indicator set to 'UUInf discarded by the network'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_4a(Instr : PrintableString) Group : S_UUS1/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_3a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_4_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf, receive no notification Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_4_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_4_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf, receive no notification Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_UUInf(cic)		
4		LAC? R_ACM	ACM_AC(cic)	(P)	1.
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_REL	REL_AC(cic)		
9		LAC! S_RLC	RLC_CA(cic)		
10		+Check_circuit_idle(cic)			
Detailed Comments : 1. Receive ACM with no indication regarding UUS1.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_5a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_5a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_5a Group : S_UUS1/ Objective : Assists a call set up on the access side with UUInf Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus		1.
4		ACH! ALERT	S_ALERT_dss1_uui(cr_in)		2.
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_uui(cr_in)		
7		+R_DISC_etc_AC			
Detailed Comments : 1. Assist call set up with/without user-to-user information IE. 2. User-to-user information IE may be contained.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_5_b					
Group : S_UUS1/					
Objective : Assist an ISDN call with UUInf, send UUInf					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_5_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_5_b Group : S_UUS1/ Objective : Assist an ISDN call with UUInf, send UUInf Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInf		
3		LAC! S_ACM	ACM_CA_UUInf(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA_UUInf(cic)		
6		+Check_communication_I_PTC			
7		LAC? R_REL	REL_AC_UUInf(cic)		
8		LAC! S_RLC	RLC_CA(cic)		
9		+Check_circuit_idle(cic)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_6_b					
Group : S_UUS1/					
Objective : Assist an ISDN call with UUInf, send UUInf					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_6_b Group : S_UUS1/ Objective : Assist an ISDN call with UUInf, send UUInf Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInf		
3		LAC! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.NtwDI:='1'B)	ACM_CA_UUInd(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+Check_communication_I_PTC			
7		LAC? R_REL	REL_AC(cic)		
8		LAC! S_RLC	RLC_CA(cic)		
9		+Check_circuit_idle(cic)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_7a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_7a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_7a Group : S_UUS1/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus1_non_ess		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UU S_invokeComp_service_preferred_r_invID (TCV_inv_id, 1, TRUE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1_uuinf (cr_in)		
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_7_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and UUInd					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_7_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and UUInd Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_CA_UUInd_UUInf(cic)		
4		LAC? R_ACM	ACM_AC_UUInd_UUInf(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_UUInf(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_REL	REL_AC_UUInf(cic)		
9		LAC! S_RLC	RLC_CA(cic)		
10		+Check_circuit_idle(cic)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_8a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_8a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_8a Group : S_UUS1/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus1_non_ess		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UU S_invokeComp_service_preferred_r_invID (TCV_inv_id, 1, TRUE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1_uuinf (cr_in)		
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_8_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and UUInd, service 1 not provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_8_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_8_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and UUInd, service 1 not provided					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_CA_UUInd_UUInf(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=not_provided)]	ACM_AC_UUInd(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+R_REL_etc_AC			
Detailed Comments : 1. Check the Service 1 field in the UUInd is set to 'service , not provided'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_9a(Instr : PrintableString) Group : S_UUS1/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_8a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_9_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and UUInd, no information on service 1 Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_9_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_9_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and UUInd, no information on service 1 Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_not_essential)	IAM_CA_UUInd_UUInf(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=no_info)]	ACM_AC_UUInd(cic)		1.
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+R_REL_etc_AC			
Detailed Comments : 1. Check the Service 1 field in the UUInd is set to 'no information' in R_ACM					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_10					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and UUInd, receive CFN					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary incoming speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_10 Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and UUInd, receive CFN Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary incoming speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_CFN (S_CFN.isup_pdu.Cause.CauseV:=CV_29, S_CFN.isup_pdu.Cause.Diag:=PN_UUInd)	CFN_CA(cic)		1.
4		+Check_ringing_tone_BA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+R_REL_etc_AC			
Detailed Comments : 1. Send confusion message with user-to-user indicators parameter.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_11a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_11a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_11a Group : S_UUS1/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 1, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in,c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 1, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_uui(cr_in)		
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_11_b					
Group : S_UUS1/					
Objective : Assist an ISDN call with UUInf and UUInd, service 1 provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an incoming call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_11_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_11_b Group : S_UUS1/ Objective : Assist an ISDN call with UUInf and UUInd, service 1 provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_CA_UUInd_UUInf(cic)		
4		+Check_ringing_tone_BA			
5		LAC! S_ANM	ANM_CA_UUInf(cic)		
6		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_12a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_12a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_12a Group : S_UUS1/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_U US_invokeComp_service_ preferred_r_invID (TCV_inv_id, 1, TRUE)) S_ALERT_dss1(cr_in)		
4		ACH! ALERT			
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)	(P)	
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_12_b					
Group : S_UUS1/					
Objective : Assist an ISDN call with UUInf and UUInd, with non essential service 1 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_12_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_12_b Group : S_UUS1/ Objective : Assist an ISDN call with UUInf and UUInd, with non essential service 1 request Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_BA			
5		LAC! S_ANM	ANM_CA(cic)		
6		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_13a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_13a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_13a					
Group : S_UUS1/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus1_ess R_ALERT_dss1_uus(c_UU S_invokeComp_service_pr eferred_r_invID (TCV_inv_id, 1, FALSE)) R_CON_dss1_uuinf(cr_in)		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr			
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_13_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with UUInf and UUInd, with essential service 1 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_13_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_13_b Group : S_UUS1/ Objective : Initiate an ISDN call with UUInf and UUInd, with essential service 1 request Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_CA_UUInd_UUInf(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=provided)]	ACM_AC_UUInd_UUInf(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC_UUInf(cic)		
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_14a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_14a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_14a Group : S_UUS1/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus1_ess R_ALERT_dss1(cr_in) S_DISC_dss1_29(cr_in) S_DISC_dss1_29(cr_in)	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		ACH! DISC			
6		ACH! DISC			
7		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_14_b					
Group : S_UUS1/					
Objective : Initiate an ISDN call with essential service 1 request, no information from B-side					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_14_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_14_b Group : S_UUS1/ Objective : Initiate an ISDN call with essential service 1 request, no information from B-side Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv1:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_CA_UUInd_UUInf(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv1=no_info)]	ACM_AC_UUInd(cic)	(P)	1.
5		LAC? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_29) OR (R_REL.isup_pdu.Cause.CauseV=CV_69)) AND (R_REL.isup_pdu.Cause.Diag=PN_UUInd)]	REL_AC(cic)		2.
6		LAC! S_RLC	RLC_CA(cic)		
7		+Check_circuit_idle(cic)			
Detailed Comments : 1. Check the Service 1 field in the UUInd is set to 'no information' in R_ACM. 2. Receive REL with cause value #29 or #69.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_15a(Instr : PrintableString)					
Group : S_UUS1/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_11a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_15a Group : S_UUS1/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 1, FALSE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 1, FALSE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_uui(cr_in)	(P)	
7		+S_DISC_etc_CA			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_15_b					
Group : S_UUS1/					
Objective : Assist an ISDN call with essential service 1 request, service provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_15_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_15_b Group : S_UUS1/ Objective : Assist an ISDN call with essential service 1 request, service provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_ACM (S_ACM.isup_pdu.UUInd.Type:='1'B, S_ACM.isup_pdu.UUInd.Serv1:=provided)	ACM_CA_UUInd_UUInf(cic)		
4		+Check_ringing_tone_BA			
5		LAC! S_ANM	ANM_CA_UUInf(cic)		
6		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_16_a					
Group : S_UUS1/					
Objective : Reject UUS service 1					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_16_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_16_a					
Group : S_UUS1/					
Objective : Reject UUS service 1					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1_comp(c_U US_invokeComp_service_ preferred_r_invID (TCV_inv_id, 1, FALSE)) S_DISC_dss1_29(cr_in)	(P)	
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		ACH! DISC			
5		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Assist call set up with/without user-to-user information IE.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_16_b					
Group : S_UUS1/					
Objective : Reject UUS service 1, cause #29					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_16_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_16_b Group : S_UUS1/ Objective : Reject UUS service 1, cause #29 Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_29)	REL_CA_Diag(cic)		1.
4		LAC? R_RLC	RLC_AC(cic)		
5		+Check_circuit_idle(cic)			
Detailed Comments : 1. Send REL with cause value #29.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_16_c					
Group : S_UUS1/					
Objective : Reject UUS service 1, cause #69					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_1_16_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_1_16_c Group : S_UUS1/ Objective : Reject UUS service 1, cause #69 Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv1=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_69)	REL_CA_Diag(cic)		2.
4		LAC? R_RLC	RLC_AC(cic)		
5		+Check_circuit_idle(cic)			
Detailed Comments : 1. Send REL with cause value #69.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_17a(Instr : PrintableString)					
Group : S_UUS1/					
Objective : Initiate a call set up with UUS1, UUS2 and UUS3 service and UUInf after Alert					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_17a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_17a Group : S_UUS1/ Objective : Initiate a call set up with UUS service 2 and UUIInf after Connect Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus_com p3(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 3, FALSE)) R_ALERT_dss1_uus_com p2(c_UUS_invokeComp_s ervice_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, TRUE))		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1_uus(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, FALSE))		
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_17b(Instr : PrintableString) Group : S_UUS1/ Objective : Initiate a call set up with UUS1, UUS2 and UUS3 service and UUInf after Connect Default : AnyOtherEventUnexpected Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_17b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_17b Group : S_UUS1/ Objective : Request UUS service 1, 2 and 3; all provided Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus_com p3(c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 3, FALSE))		
4		ACH! ALERT	S_ALERT_dss1_uus_com p2(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH! CONN	S_CON_dss1_uus(cr_in,c _UUS_invokeComp_servic e_preferred_s (TCV_inv_id, 3, FALSE))	(P)	
7		+Check_communication_A_PTC			
8		ACH? UIr	R_USER_INFO_dss1(cr_in)		
9		ACH! UI	S_USER_INFO_dss1(cr_in)		
10		ACH? DISCr	R_DISC_dss1(cr_in)		
11		+Check_circuit_idle_A_PTC			
Detailed Comments : .					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_18 Group : S_UUS1/ Objective : Reject UUS service 2 and 3 Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_18)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_18					
Group : S_UUS1/					
Objective : Reject UUS service 2 and 3					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1_uus_com p3(c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, FALSE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 3, TRUE)) S_DISC_dss1_29(cr_in)	(P)	
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		ACH! DISC			
5		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Reject UUS service 2 and 3					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_19a					
Group : S_UUS1/					
Objective : Initiates a call set up from the acces side with UUInf and UUInd					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_19a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_19a Group : S_UUS1/ Objective : Initiates a call set up from the acces side with UUInf and UUInd Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus_com p3(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 3, TRUE)) R_ALERT_dss1_uus_com p2(c_UUS_invokeComp_s ervice_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, TRUE))		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	2.
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1_uus(cr_in, c_UUS_return_error(TCV_in_v_id, rejectedByNetwork))		
9		+R_DISC_etc_AC			
Detailed Comments : 1. Set up a call with a user-to-user information IE. 2. User-to-user information IE may be contained.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_19b Group : S_UUS1/ Objective : Initiates a call set up from the acces side with UUInf and UUInd Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_19b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_19b Group : S_UUS1/ Objective : Initiates a call set up from the acces side with UUInf and UUInd Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus_com p3(c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 3, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus_com p2(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH? UIr	R_USER_INFO_dss1(cr_in)	(P)	
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1_uus(cr_in,c_uus_return_error(TCV_in v_id,rejectedByNetwork))		
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_20a Group : S_UUS1/ Objective : Initiates a call set up from the acces side with UUInf and request for UUS service 3 after connect Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_20a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_20a Group : S_UUS1/ Objective : Initiates a call set up from the acces side with UUInf and request for UUS service 3 after connect Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus1_non_ess		1.
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		2.
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		3.
9		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, TRUE))	(P)	
10		ACH! UI	S_USER_INFO_dss1(cr_in)		
11		ACH? UIr	R_USER_INFO_dss1(cr_in)	(P)	

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		ACH? DISCr	R_DISC_dss1(cr_in)		
13		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Initiate call set up with/without user-to-user information IE. 2. User-to-user information IE may be contained. 3. Request UUS service 3.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_20b Group : S_UUS1/ Objective : Assits a call set up from the acces side with UUS service 1 and 3. Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_20b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_20b Group : S_UUS1/ Objective : Assits a call set up from the acces side with UUS service 1 and 3. Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1_uui(cr_in)		2.
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_uui(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, TRUE))	(P)	3.
9		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		4.
10		ACH? UIr	R_USER_INFO_dss1(cr_in)	(P)	
11		ACH! UI	S_USER_INFO_dss1(cr_in)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		ACH? DISCr	R_DISC_dss1(cr_in)		
13		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Assist call set up with/without user-to-user information IE. 2. User-to-user information IE may be contained. 3. Receive UUS service 3 request. 4. Accept UUS service 3.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_21 Group : S_UUS1/ Objective : Assist a call set up, hold the call and release it with UUInf Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_21)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_21 Group : S_UUS1/ Objective : Assist a call set up, hold the call and release it with UUInf Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus		
3		ACH! ALERT	S_ALERT_dss1_uui(cr_in)		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
6		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
7		+Wait_T_WAIT			
8		+Check_B_channel_release			
9		ACH! DISC	S_DISC_dss1(cr_in)	(P)	2.
Detailed Comments : 1. Call is held. 2. Release the call and send UUInf.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_22					
Group : S_UUS1/					
Objective : Assist a call set up, hold the call and check UUInf while call is released					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_22)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_22 Group : S_UUS1/ Objective : Assist a call set up, hold the call and check UUInf while call is released Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists call set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus		
3		ACH! ALERT	S_ALERT_dss1_uui(cr_in)		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
6		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
7		+Wait_T_WAIT			
8		+Check_B_channel_release			
9		ACH? DISCr	R_DISC_dss1(cr_in)	(P)	2.
10		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Call is held. 2. Check UUInf while the call is released.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_23(Instr : PrintableString)					
Group : S_UUS1/					
Objective : Set up a call, activate CCBS request and CCBS recall					
Default : AnyOtherEventUnexpected					
Comments : Activate CCBS request and CCBS recall and terminate the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_23)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_23 Group : S_UUS1/ Objective : Set up a call, activate CCBS request and CCBS recall Default : AnyOtherEventUnexpected_A_PTC Comments : Activate CCBS request and CCBS recall and terminate the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uuinf		5.
3		ACH? DISCr	R_DISC_dss1(cr_in)		
4		+ A_access_CCBS_Activation_AB			1./ 2.
5		+Wait_T_WAIT			
6		+ A_access_CCBS_Invocation_AB			2./3.
7		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_comp (c_Component_CCBSCall _invoke (TCV_inv_id, TSV_CCBSREF))		
8		+R_DISC_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response. 5. Contains user-to-user information.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_1_24(Instr : PrintableString)					
Group : S_UUS1/					
Objective : Set up a call, activate CCBS request and CCBS recall					
Default : AnyOtherEventUnexpected					
Comments : Activate CCBS request and CCBS recall and terminate the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_1_24)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_1_24 Group : S_UUS1/ Objective : Set up a call, activate CCBS request and CCBS recall Default : AnyOtherEventUnexpected_A_PTC Comments : Activate CCBS request and CCBS recall and terminate the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uuinf		
3		ACH? DISCr	R_DISC_dss1(cr_in)		
4		+ A_access_CCBS_Activation_AB			1./ 2.
5		+Wait_T_WAIT			
6		+ A_access_CCBS_Invocation_AB			2./3.
7		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uui_comp (c_Component_CCBSCall _invoke (TCV_inv_id, TSV_CCBSREF))		
8		+R_DISC_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_1(Instr : PrintableString)					
Group : S_UUS2/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_1 Group : S_UUS2/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! UI	S_USER_INFO_dss1(cr_in)		
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1(cr_in)	(P)	
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_2a(Instr : PrintableString)					
Group : S_UUS2/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_2a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_2a Group : S_UUS2/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! UI	S_USER_INFO_dss1(cr_in)		
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1(cr_in)	(P)	
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_2_b					
Group : S_UUS2/					
Objective : Request non essential UUS service 2; provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_2_2_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_2_2_b Group : S_UUS2/ Objective : Request non essential UUS service 2; provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_not_essential)	IAM_CA_UUInd(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AC_UUInd(cic)		
5		+Check_ringing_tone_AC			
6		LAC! S_USR	USR_CA(cic)		
7		LAC? R_USR	USR_AC(cic)		
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_3(Instr : PrintableString)					
Group : S_UUS2/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_3 Group : S_UUS2/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? UIr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1(cr_in)	(P)	
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_4(Instr : PrintableString)					
Group : S_UUS2/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_4 Group : S_UUS2/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)	(P)	
7		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_5(Instr : PrintableString) Group : S_UUS2/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_6a(Instr : PrintableString) Group : S_UUS2/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_6a Group : S_UUS2/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! UI	S_USER_INFO_dss1(cr_in)		
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1(cr_in)	(P)	
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_6_b					
Group : S_UUS2/					
Objective : Request essential UUS service 2; provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_2_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_2_6_b Group : S_UUS2/ Objective : Request essential UUS service 2; provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_CA_UUInd(cic)		
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type='1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AC_UUInd(cic)		
5		+Check_ringing_tone_AC			
6		LAC! S_USR	USR_CA(cic)		
7		LAC? R_USR	USR_AC(cic)		
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_7(Instr : PrintableString)					
Group : S_UUS2/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_7 Group : S_UUS2/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, FALSE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 2, FALSE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? UIr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1(cr_in)	(P)	
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_8_a					
Group : S_UUS2/					
Objective : UUS service 2 explicit essential – rejection					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_8_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_8_a					
Group : S_UUS2/					
Objective : UUS service 2 explicit essential – rejection					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1_comp(c_U US_invokeComp_service_ preferred_r_invID (TCV_inv_id, 2, FALSE)) S_DISC_dss1_29(cr_in)	(P)	
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		ACH! DISC			
5		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_8_b					
Group : S_UUS2/					
Objective : UUS service 2 explicit essential – rejection					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_2_8_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_2_8_b Group : S_UUS2/ Objective : UUS service 2 explicit essential – rejection Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv2=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_CFN (S_CFN.isup_pdu.Cause.CauseV:=CV_29, S_CFN.isup_pdu.Cause.Diag:=PN_UUInd)	CFN_CA(cic)		
4		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_9_a					
Group : S_UUS2/					
Objective : Initiates a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_9_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_9_a					
Group : S_UUS2/					
Objective : Initiates a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates an outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_DISC_etc_AC			
Detailed Comments : 1. Set up a call with a user-to-user service 2 request.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_9_b Group : S_UUS2/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists an incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_2_9_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_2_9_b					
Group : S_UUS2/					
Objective : Initiates a call set up on the with UUS service 2 request					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Sets up a call with a UUS service 2 request					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_UUInd(cic)		1.
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv2:=req_essential)			
4		+R_REL_etc_AC			
Detailed Comments : 1. Initiates set up for a call with user-to-user service 2 request.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_10					
Group : S_UUS2/					
Objective : Initiate a call set up with UUS service 2 and send more than 2 UUInf					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_10 Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and send more than 2 UUInf Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! UI	S_USER_INFO_dss1(cr_in)		
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH! UI	S_USER_INFO_dss1(cr_in)		
9		ACH? UIr	R_USER_INFO_dss1(cr_in)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	
11		ACH? CONNr	R_CON_dss1(cr_in)		
12		+R_DISC_etc_AC			
Detailed Comments : 1. Send and receive user-to-user information. 2. More than 2 user-to-user informations are sent during call set up.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_11 Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and UUInf after Connect Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_11 Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and UUInf after Connect Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
4		ACH? ALERTr	R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE))		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! UI	S_USER_INFO_dss1(cr_in)		
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1(cr_in)		
9		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	
10		+R_DISC_etc_AC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour	
Detailed Comments : 1. Send and receive user-to-user information. 2. One user-to-user information is set after connect. 3. Set up a call with a user-to-user service 2 request.	

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_12 Group : S_UUS2/ Objective : Assist a call set up with UUS service 2, not supported Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists a call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_2_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_2_12 Group : S_UUS2/ Objective : Assist a call set up with UUS service 2, not supported Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists a call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv2=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_CFN (S_CFN.isup_pdu.Cause.CauseV:=CV_29, S_CFN.isup_pdu.Cause.Diag:=PN_UUInd)	CFN_CA(cic)		1.
4		+S_ANM_etc_CA			2.
Detailed Comments : 1. Send confusion message with user-to-user indicators parameter. 2. Connect message could be sent too.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_13					
Group : S_UUS2/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_13 Group : S_UUS2/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, FALSE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 2, FALSE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1(cr_in)		
9		ACH? Ulr	R_USER_INFO_dss1(cr_in)	(P)	
10		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_14a					
Group : S_UUS2/					
Objective : Request UUS service 1, 2 and 3; rejected					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_14a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_14a					
Group : S_UUS2/					
Objective : Request UUS service 1, 2 and 3; rejected					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1_uus_com p3(c_UUS_invokeComp_s ervice_preferred_r_invID (TCV_inv_id, 1, TRUE),c_UUS_invokeCom p_service_preferred_r_invl D (TCV_inv_id, 2, FALSE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 3, TRUE)) S_DISC_dss1_29(cr_in)	(P)	
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		ACH! DISC			
5		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_14b					
Group : S_UUS2/					
Objective : Request UUS service 1, 2 and 3; rejected					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_14b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_14b					
Group : S_UUS2/					
Objective : Request UUS service 1, 2 and 3; rejected					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus_com p3(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, FALSE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 3, TRUE))	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_15a(Instr : PrintableString)					
Group : S_UUS2/					
Objective : Initiate a call set up with UUS service 2 and UUInf after Connect					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_15a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_15a Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and UUIInf after Connect Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus_com p3(cr_in, c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 2, TRUE), c_UUS_invokeComp_servi ce_preferred_s (TCV_inv_id, 3, TRUE)) R_ALERT_dss1_uus_com p2(c_UUS_invokeComp_s ervice_preferred_r_invID (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_servi ce_preferred_r_invID (TCV_inv_id, 2, TRUE))		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	
7		ACH? UIr	R_USER_INFO_dss1(cr_in)		
8		ACH? CONNr	R_CON_dss1_uus(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, TRUE))		
9		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_15b Group : S_UUS2/ Objective : Request UUS service 1, 2 and 3; all provided Default : AnyOtherEventUnexpected Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_15b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_15b Group : S_UUS2/ Objective : Request UUS service 1, 2 and 3; all provided Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_uus_comp3(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 1, TRUE),c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE),c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus_comp2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 1, TRUE), c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
6		ACH? Ulr	R_USER_INFO_dss1(cr_in)	(P)	
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1_uus(cr_in,c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
9		+R_DISC_etc_AC			
Detailed Comments : 1. Assist call set up with UUInd. 2. User-to-user information IE may be contained.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_16a Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and UUInf after Connect Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_16a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_16a Group : S_UUS2/ Objective : Initiate a call set up with UUS service 2 and UUInf after Connect Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, FALSE)) R_ALERT_dss1_uus(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE)) R_USER_INFO_dss1(cr_in) S_USER_INFO_dss1(cr_in) R_CON_dss1(cr_in)		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? UIr			
7		ACH! UI			
8		ACH? CONNr			
9		+Check_communication_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp _service_preferred_s (TCV_inv_id, 3, TRUE))	(P)	
11		ACH? FACr	R_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp _service_preferred_r_invl D(TCV_inv_id, 3, TRUE))		
12		ACH? UIr	R_USER_INFO_dss1(cr_in)		
13		ACH! UI	S_USER_INFO_dss1(cr_in)		
14		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_2_16b					
Group : S_UUS2/					
Objective : Request UUS service 1, 2 and 3;					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_2_16b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_2_16b Group : S_UUS2/ Objective : Request UUS service 1, 2 and 3; Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1_comp(c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 2, TRUE))		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 2, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		ACH! CONN	S_CON_dss1(cr_in)		
9		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, TRUE))		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp _service_preferred_s (TCV_inv_id, 3, TRUE))	(P)	
11		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
12		ACH! UI	S_USER_INFO_dss1(cr_in)		
13		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_1(Instr : PrintableString) Group : S_UUS3/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_1 Group : S_UUS3/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! UI	S_USER_INFO_dss1(cr_in)		
9		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
10		ACH? DISCr	R_DISC_dss1(cr_in)		
11		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_2(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_2 Group : S_UUS3/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
9		ACH? FACr	R_FACILITY_dss1_comp(cr_in,c_UUS_return_error (TCV_inv_id, rejectedByNetwork))		
10		ACH? DISCr	R_DISC_dss1(cr_in)		
11		+Check_circuit_idle_A_PTC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour
Detailed Comments :

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_2_b					
Group : S_UUS3/					
Objective : Request non essential UUS service 3; not provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_2_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_2_b Group : S_UUS3/ Objective : Request non essential UUS service 3; not provided Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! ACCESS_REQ	S_CONNECT		2.
6		ACH? ACCESS_IND	R_INFO		3.
7		ACH! ACCESS_REQ	S_INFO		4.
8		+R_DISC_etc_AC			
Detailed Comments : 1. Assist set up with user-to-user service 3 request. 2. User-to-user service 3 response is sent. 3. UUS service 3 is requested. 4. UUS service 3 is rejected.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_3a(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_3a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_3a Group : S_UUS3/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! UI	S_USER_INFO_dss1(cr_in)		
9		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
10		ACH? DISCr	R_DISC_dss1(cr_in)		
11		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_4a(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_4a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_4a Group : S_UUS3/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
9		ACH! UI	S_USER_INFO_dss1(cr_in)		
10		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_4b(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_4b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_4b Group : S_UUS3/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! CONN	S_CON_dss1_uus(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
5		+Check_communication_A_PTC			
6		ACH? UIr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)	(P)	
8		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_3_b					
Group : S_UUS3/					
Objective : Request non essential UUS service 3; provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_3_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_3_b Group : S_UUS3/ Objective : Request non essential UUS service 3; provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_CA_UUInd(cic)		1.
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AC_UUInd(cic)		2.
7		+Check_communication_I_PTC			
8		LAC! S_USR	USR_CA(cic)		3.
9		LAC? R_USR	USR_AC(cic)		4.
10		+R_REL_etc_AC			
Detailed Comments : 1. Initiate call set up with user-to-user service 3 request. 2. User-to-user service 3 response is received. 3. UUS service 3 UUInf is sent. 4. UUS service 3 UUInf is received.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_5a1(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_5a1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_5a1 Group : S_UUS3/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_5a2(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_5a2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_5a2					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1 S_CON_dss1_uus(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
4		ACH! CONN			
5		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_5_b					
Group : S_UUS3/					
Objective : UUS service 3 is requested non essential, not provided by called user					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists a call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_5_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_5_b Group : S_UUS3/ Objective : UUS service 3 is requested non essential, not provided by called user Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a responder which assists a call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_AC			
5		LAC! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3=no_info)	ANM_CA_UUInd(cic)		1.
6		+Check_communication_I_PTC			
7		+R_REL_etc_AC			
Detailed Comments : 1. CON message could be used to send the UUInd too.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_6a1(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_5a1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_6a2(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_5a2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_6_b					
Group : S_UUS3/					
Objective : UUS service 3 is requested non essential, not provided by called user					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists a call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_6_b Group : S_UUS3/ Objective : UUS service 3 is requested non essential, not provided by called user Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a responder which assists a call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd_UUInf	(P)	
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_AC			
5		LAC! S_ANM (S_ANM.isup_pdu.UUInd.Type:='1'B, S_ANM.isup_pdu.UUInd.Serv3:=not_provided)	ANM_CA_UUInd(cic)		1.
6		+Check_communication_I_PTC			
7		+R_REL_etc_AC			
Detailed Comments : 1. CON message could be used to send the UUInd too.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_7a(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_7a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_7a Group : S_UUS3/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, FALSE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1_uus(cr_in,c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, FALSE))		
7		+Check_communication_A_PTC			
8		ACH! UI	S_USER_INFO_dss1(cr_in)		
9		ACH? UIr	R_USER_INFO_dss1(cr_in)		
10		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_7_b					
Group : S_UUS3/					
Objective : UUS service 3 is requested essential; provided					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_7_b Group : S_UUS3/ Objective : UUS service 3 is requested essential; provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Serv3:=req_essential, S_IAM.isup_pdu.FCI.IPI:=ISUPrequired)	IAM_CA_UUInd(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM [(R_ANM.isup_pdu.UUInd.Type='1'B) AND (R_ANM.isup_pdu.UUInd.Serv3=provided)]	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC! S_USR	USR_CA(cic)		
9		LAC? R_USR	USR_AC(cic)		
10		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_8a(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_8a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_8a Group : S_UUS3/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, FALSE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1_uus(cr_in,c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, FALSE))		
7		+Check_communication_A_PTC			
8		ACH? UIr	R_USER_INFO_dss1(cr_in)		
9		ACH! UI	S_USER_INFO_dss1(cr_in)		
10		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_8b(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_8b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_8b Group : S_UUS3/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! CONN	S_CON_dss1_uus(cr_in,c_UUS_invokeComp_service_preferred_r_invID (TCV_inv_id, 3, FALSE))		
5		+Check_communication_A_PTC			
6		ACH? UIr	R_USER_INFO_dss1(cr_in)		
7		ACH! UI	S_USER_INFO_dss1(cr_in)		
8		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_9_a					
Group : S_UUS3/					
Objective : Assist a call set up with UUS service 3 request, rejected					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_9_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_9_a Group : S_UUS3/ Objective : Assist a call set up with UUS service 3 request, rejected Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a responder which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! DISC	S_DISC_dss1_29(cr_in)		2.
5		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Assist a call set up with UUS service 3 request. 2. Reject the UUS service 3.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_9_b					
Group : S_UUS3/					
Objective : Assist a call set up with UUS service 3 request, rejected					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a responder which assists a call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_9_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_9_b Group : S_UUS3/ Objective : Assist a call set up with UUS service 3 request, rejected Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a responder which assists a call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv3=req_essential) AND (R_IAM.isup_pdu.FCI.IPI=ISUPrequired)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd	(P)	1.
3		LAC! S_CFN (S_CFN.isup_pdu.Cause.CauseV:=CV_29, S_CFN.isup_pdu.Cause.Diag:=PN_UUInd)	CFN_CA(cic)		2.
4		+R_REL_etc_AC			
Detailed Comments : 1. Assist a call set up with UUS service 3 request. 2. Reject the UUS service 3.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_10a(Instr : PrintableString)					
Group : S_UUS3/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_10a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_10a Group : S_UUS3/ Objective : Initiates a call set up from the acces side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? FACr	R_FACILITY_dss1_comp(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
9		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in, c_UUS_return_error (TCV_inv_id, rejectedByNetwork))		
10		+R_DISC_etc_AC			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour
Detailed Comments :

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_10_b Group : S_UUS3/ Objective : Request UUS service 3 non essential during the active phase; not provided Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_10_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_10_b Group : S_UUS3/ Objective : Request UUS service 3 non essential during the active phase; not provided Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC! S_FAR (S_FAR.isup_pdu.UUInd.Type='0'B, S_FAR.isup_pdu.UUInd.Serv3=req_not_essential)	FAR_CA(cic)		1.
9		LAC? R_FRJ [(R_FRJ.isup_pdu.UUInd.Type='1'B) AND (R_FRJ.isup_pdu.UUInd.Serv3=not_provided)]	FRJ_AC(cic)		2.
10		+R_REL_etc_AC			
Detailed Comments : 1. Request UUS service 3 non essential during the active phase. 2. The far end rejects the service: not provided.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_11(Instr : PrintableString)					
Group : S_UUS3/					
Objective : Assists a call set up on the access side with UUS service 2 request					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_11 Group : S_UUS3/ Objective : Assists a call set up on the access side with UUS service 2 request Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1_uus1(cr_in, c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? FACr	R_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp_service_preferred_r_invl(TCV_inv_id, 3, TRUE))		
9		ACH! FACdss1	S_FACILITY_dss1_comp(cr_in,c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
10		ACH? Ulr	R_USER_INFO_dss1(cr_in)		
11		ACH! UI	S_USER_INFO_dss1(cr_in)		
12		+R_DISC_etc_AC			
Detailed Comments : 1. Check that the user-to-user information is delivered to the user after connect.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_12 Group : S_UUS3/ Objective : UUS service 3, rejected Default : AnyOtherEventUnexpected Comments : Dispatches a responder which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_12 Group : S_UUS3/ Objective : UUS service 3, rejected Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a responder which assists call set up, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM [(R_IAM.isup_pdu.UUInd.Type='0'B) AND (R_IAM.isup_pdu.UUInd.Serv3=req_not_essential)] (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_UUInd	(P)	
3		LAC! S_CFN (S_CFN.isup_pdu.Cause.CauseV:=CV_29, S_CFN.isup_pdu.Cause.Diag:=PN_UUInd)	CFN_CA(cic)		1.
4		+S_ACM_etc_CA			2.
Detailed Comments : 1. Send confusion message with user-to-user indicators parameter. 2. Connect message could be sent too.					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_13					
Group : S_UUS3/					
Objective : UUS3 explicit non-essential – implicit rejection during call (no indication – FAA or FRJ)					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_13 Group : S_UUS3/ Objective : UUS3 doesn't reply on FAR neither with FAA nor with FRJ Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_FAR [(R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AC(cic)		
9		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_14					
Group : S_UUS3/					
Objective : UUS3 explicit non-essential – explicit rejection during call (service not provided in FRJ)					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_6_3_14)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_6_3_14 Group : S_UUS3/ Objective : UUS3 doesn't reply on FAR neither with FAA nor with FRJ Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates ordinary outgoing speech call, and which also releases the call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_FAR [(R_FAR.isup_pdu.UUInd.Type='0'B) AND (R_FAR.isup_pdu.UUInd.Serv3=req_not_essential)]	FAR_AC(cic)		
9		LAC! S_FRJ (S_FRJ.isup_pdu.UUInd.Type:='1'B, S_FRJ.isup_pdu.UUInd.Serv3:=not_provided)	FRJ_CA(cic)		
10		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_6_3_17					
Group : S_UUS3/					
Objective : UUS service 3 is requested as non essential while a call is suspended					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_6_3_17)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_6_3_17 Group : S_UUS3/ Objective : UUS service 3 is requested as non essential while a call is suspended Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_uus2(cr_in, c_UUS_invokeComp_service_preferred_s (TCV_inv_id, 3, TRUE))		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH? CONNr	R_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? SUSr	R_SUS_dss1		1.
9		+R_DISC_etc_AC			
Detailed Comments : 1. Call is suspended indication.					

Test Step Dynamic Behaviour					
Test Step Name : SS_7_1(Instr : PrintableString)					
Group : S_CUG/					
Objective :					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_7_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_7_1					
Group : S_CUG/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_comp(c_COMP01(0,FALSE,TCV _cug_index))	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_7_2 Group : S_CUG/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_7_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_7_2					
Group : S_CUG/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CdPN_OFCI_CU GIC(cic, TSO_s_fwd(TSP_Nb_B))		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)			
4		+R_ACM_etc_AC			
Detailed Comments : 1. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, with outgoing access not allowed'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_7_3					
Group : S_CUG/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_7_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_7_3 Group : S_CUG/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		[OutIE]			
4		LAC! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_CA_CdPN_OFCI_CU GIC(cic, TSO_s_fwd(TSP_Nb_B))		1.
5		+R_ACM_etc_AC			
6		[InclE]			
7		LAC! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B, S_IAM.isup_pdu.CUGIC.Ntwld:=TSP_CUGIC_Ntwld_int, S_IAM.isup_pdu.CUGIC.BinCode:=TSP_CUGIC_BinCode_int)	IAM_CA_CdPN_OFCI_CU GIC(cic, TSO_s_fwd(TSP_Nb_B))		2.
8		+R_ACM_etc_AC			
Detailed Comments : 1. For OutIE send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way', CUG call indicator in the OFCI set to 'CUG call, with outgoing access not allowed' and a national CUG interlock code. 2. For InclE send an IAM with IPI in the FCI set to 'ISUP required all the way', CUGCI in the OFCI set to 'CUG call, with outgoing access not allowed' and an international CUGIC.					

Test Step Dynamic Behaviour					
Test Step Name : SS_7_4					
Group : S_CUG/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_7_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_7_4 Group : S_CUG/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_CA_CdPN_OFCI_CU GIC(cic, TSO_s_fwd(TSP_Nb_B))		1.
4		LAC? R_REL [(R_REL.isup_pdu.Cause.CauseV=CV_29) AND (R_REL.isup_pdu.Cause.Diag=PN_OFCI)]	REL_AC(cic)	(P)	2.
5		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, with outgoing access not allowed'. 2. REL with cause #29 "Facility rejected" and Diagnostics (OFCI name).					

Test Step Dynamic Behaviour					
Test Step Name : SS_7_5 Group : S_CUG/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_7_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_7_5					
Group : S_CUG/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CdPN_OFCl_CU GIC(cic, TSO_s_fwd(TSP_Nb_B))		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCl.CUGCl:='10'B, S_IAM.isup_pdu.FCl.IPl:='10'B)			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_8_1(Instr : PrintableString) Group : S_SUB/ Objective : Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_8_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_8_1					
Group : S_SUB/					
Objective : Initiates a call set up from the acces side					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates outgoing call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_cd_sub	(P)	
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+R_ALERT_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_8_2 Group : S_SUB/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_8_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_8_2					
Group : S_SUB/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_ATP_CdPN(cic, TSP_Nb_B, TSP_Sub_B)		
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_8_5					
Group : S_SUB/					
Objective : Accept a NON-ISUP call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the NON-ISUP stimulus which accepts an incoming speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:A_8_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_8_5 Group : S_SUB/ Objective : Accept a NON-ISUP call set up with the expected parameters Default : AnyOtherEventUnexpected_T_PTC Comments : Dispatches the NON-ISUP stimulus which accepts an incoming speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		TAC? Non_ISUP_IND	R_IAI		
3		TAC! Non_ISUP_REQ	S_TUP_ACM		
4		+Check_ringing_tone_CA			
5		TAC! Non_ISUP_REQ	S_ANC		
6		+Check_communication_I_PTC			
7		TAC? Non_ISUP_IND	R_CCL	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_5_a Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_9_5_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_9_5_a Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_IDR	IDR_AC(cic)		
5		LAC! S_IRS	IRS_CA(cic)		
6		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_5_b					
Group : S_MCID/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_9_5_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_9_5_b Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_IDR	IDR_AC(cic)		
6		LAC! S_IRS	IRS_CA(cic)		
7		+R_ANM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_6					
Group : S_MCID/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_9_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_9_6 Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_IDR	IDR_AC(cic)		
5		LAC! S_IRS	IRS_CA_CgPN(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		
6		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_8					
Group : S_MCID/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_9_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_9_8 Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_IDR	IDR_AC(cic)		
5		LAC! S_IRS	IRS_CA_CgPN(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
6		+R_ACM_etc_AC			
Detailed Comments : 1. The number will be assembled with the network's own country code.					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_9					
Group : S_MCID/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_9_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_9_9 Group : S_MCID/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_IDR	IDR_AC(cic)		
5		LAC! S_IRS (S_IRS.isup_pdu.MCIDRs.MCIDRs:='0'B)	IRS_CA_NO_MCID(cic)		
6		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_9_13 (Instr : PrintableString) Group : S_MCID/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_9_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_9_13 Group : S_MCID/ Objective : Assists a call set up on the access side Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the responder which assists incoming call set up					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)	(P)	
5		+R_DISC_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_10_1 Group : S_CONF/ Objective : To initiate an ordinary outgoing speech call Default : AnyOtherEventUnexpected Comments : Initiates an ordinary outgoing speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_10_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_10_1					
Group : S_CONF/					
Objective : To initiate an ordinary outgoing speech call					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Initiates an ordinary outgoing speech call					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1(cr_in)		
2		ACH! SETUP(cr_in :=TSV_CREF1)			
3		ACH? ALERTr			
4		+R_CONNECT_etc_AC			
Detailed Comments : 1. Set up a call that will require an outgoing half echo control device.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup Group : S_CONF/ Objective : To initiate call setup and begin the conference Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHx? SETUPr(cr_in2:= SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
3		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
4		ACHx! CONN	S_CON_dss1(cr_in2)		2.
5		ACHx! HOLD	S_HOLD_dss1(cr_in2)		3.
6		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in2)		
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A). 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B). 5. The 2nd call is answered 6. Begin the conference. 7. Coordinate call clearing. 8. Release both calls.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_end					
Group : S_CONF/					
Objective : To initiate call setup and begin the conference					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! DISC	S_DISC_dss1(cr_in)	(P)	7.
Detailed Comments : 7. Release both calls.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate Group : S_CONF/ Objective : To initiate call setup and begin the conference Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHy! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		4.
3		ACHy? ALERTr	R_ALERT_dss1(cr_in)		
4		ACHy? CONNr	R_CON_dss1(cr_in)		5.
5		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_BEG1inv(TCV_inv_id))		6.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A). 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B). 5. The 2nd call is answered 6. Begin the conference. 7.Release both calls.					

Test Step Dynamic Behaviour					
Test Step Name : I_setup Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(TCV_cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(TCV_cic)		
5		LAC? R_ANM	ANM_AC(TCV_cic)		
6		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(TCV_cic)		1.
Detailed Comments : 1. The 1st call is held.					

Test Step Dynamic Behaviour					
Test Step Name : I_end					
Group : S_CONF/					
Objective : Initiates a cal set up					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_REL	REL_AC(TCV_cic)		2.
2		LAC! S_RLC	RLC_CA(TCV_cic)		
Detailed Comments : 2. Trigger set up of the 2nd call.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_1_10_3_a Group : S_CONF/ Objective : To initiate call setup, begin the conference and add a party Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
3		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
4		ACHx! CONN	S_CON_dss1(cr_in2)		2.
5		ACHx! HOLD	S_HOLD_dss1(cr_in2)		3.
6		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in2)		
7		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv(TCV_inv_id, TCV_conf_id))	(P)	8.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1. 7. Coordinate the adding of a new conferee. 8. Add the 3rd conferee to the conference. 9. Disconnect call with CR2. 10. Release the conference.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_facility Group : S_CONF/ Objective : To initiate call setup, begin the conference and add a party Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv (TCV_inv_id, TCV_conf_id))	(P)	8.
Detailed Comments : 8. Add the 3rd conferee to the conference.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_10_3_a Group : S_CONF/ Objective : To initiate call setup, begin the conference and add a party Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHy! SETUP(cr_in:=TSV_CREF1)	S_SETUP_dss1		4.
3		ACHy? ALERTr	R_ALERT_dss1(cr_in)		
4		ACHy? CONNr	R_CON_dss1(cr_in)		5.
5		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_BEG1inv(TCV_inv_id))		6.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_end Group : S_CONF/ Objective : To initiate call setup, begin the conference and add a party Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! DISC	S_DISC_dss1(cr_in)		10.
Detailed Comments : 10. Release the conference.					

Test Step Dynamic Behaviour					
Test Step Name : I_10_3_a					
Group : S_CONF/					
Objective : Initiates a call progress					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(cic)		3.
2		+Check_conf_communication_AC(cic)			4.
Detailed Comments : 3. Notify subscriber at SPC by sending him/her 'conference established' in the CPG. 4. Check communication towards each conferee.					

Test Step Dynamic Behaviour					
Test Step Name : I_end_second					
Group : S_CONF/					
Objective : Wait for release call					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which assists an incoming call release					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_REL	REL_AC(TCV_cic)		
2		LAC! S_RLC	RLC_CA(TCV_cic)		
3		LAC? R_REL	REL_AC(TCV_cic1)		
4		LAC! S_RLC	RLC_CA(TCV_cic1)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_second Group : S_CONF/ Objective : To initiate call setup, begin the conference and add two parties Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx? SETUPr(cr_in3 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
2		ACHx! ALERT	S_ALERT_dss1(cr_in3)		
3		ACHx! CONN	S_CON_dss1(cr_in3)		
4		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in3, c_ADDinv (TCV_inv_id, TCV_conf_id))		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_10_3_b Group : S_CONF/ Objective : To initiate call setup, begin the conference and add two parties Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHy! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		4.
3		ACHy? ALERTr	R_ALERT_dss1(cr_in)		
4		ACHy? CONNr	R_CON_dss1(cr_in)		5.
5		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_BEG1inv(TCV_inv_id))		6.
6		A_CP! CM_GO_AHEAD	CM_go_ahead1		7.
7		A_CP? CM_GO_AHEAD	CM_go_ahead2		
8		ACHy! DISC	S_DISC_dss1(cr_in)	(P)	14.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1. 7. Coordinate the adding of a new conferee. 8. Add the 3rd conferee to the conference. 9. Disconnect call with CR2. 10. Assist call set up for the 3rd call (CR3). 11. Answer the 3rd call.					

Continued on next page

*Continued from previous page***Test Step Dynamic Behaviour****Detailed Comments : ...**

- 12. Add a new conferee to the conference.
- 13. Disconnect call with CR3.
- 14. Release the conference.

Test Step Dynamic Behaviour					
Test Step Name : I_setup_second Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(TCV_cic1:=TSO_Next_CIC(cic))			
2		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
3		LAC? R_ACM	ACM_AC(TCV_cic1)		
4		LAC? R_ANM	ANM_AC(TCV_cic1)		
5		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(TCV_cic1)		3.
6		+Notify_conferees			
7		+Check_conf_communication_AC(cic)			4.
8		Notify_conferees LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot_anyCIC		5.
Detailed Comments : 1. The 1st call is held. 2. Trigger set up of the 2nd call. 3. Notify subscriber at SPC by sending him/her 'conference established' in the CPG. 4. Check communication towards each conferee. 5. Notify previous conferee by sending him/her 'other_party_added' in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_new_conf Group : S_CONF/ Objective : To initiate call setup, begin the conference and add maximum number of conferees Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx? SETUPr(cr_in3 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		11.
2		ACHx! ALERT	S_ALERT_dss1(cr_in3)		
3		ACHx! CONN	S_CON_dss1(cr_in3)		12.
4		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in3, c_ADDInv (TCV_inv_id, TCV_conf_id))		13.
5		ACHx? DISCr	R_DISC_dss1(cr_in3)		14.
Detailed Comments : 11. Assist call set up for the nth call (CRn). 12. Answer the nth call. 13. Add a new conferee to the conference. 14. Disconnect call with CRn.					

Test Step Dynamic Behaviour					
Test Step Name : I_10_4_1 Group : S_CONF/ Objective : Initiates a call setup Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an outgoing call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(loop_cic:=TSO_Next_CIC(TCV_cic))			
2		LAC! S_IAM	IAM_CA_CdPN(loop_cic, TSP_Nb_A)		
3		LAC? R_ACM	ACM_AC(loop_cic)		
4		LAC? R_ANM	ANM_AC(loop_cic)		
5		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(loop_cic)		
6		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot_anyCIC		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_10_4_2					
Group : S_CONF/					
Objective : Waits a call release					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_REL (loop_cic:=R_REL.isup_pdu.CIC)	REL_AC_anyCIC		
2		LAC! S_RLC	RLC_CA(loop_cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_1_10_5_6 Group : S_CONF/ Objective : To initiate call setup, begin the conference, add two parties, isolate one and reattach it Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
3		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
4		ACHx! CONN	S_CON_dss1(cr_in2)		2.
5		ACHx! HOLD	S_HOLD_dss1(cr_in2)		3.
6		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in2)		
7		A_CP? CM_GO_AHEAD	CM_go_ahead1		7.
8		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv(TCV_inv_id, TCV_conf_id))		8.
9		ACHx? DISCr	R_DISC_dss1(cr_in2)	(P)	9.
10		+Add_conferee			
		Add_conferee			
11		ACHx? SETUPr(cr_in3 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		10.
12		ACHx! ALERT	S_ALERT_dss1(cr_in3)		
13		ACHx! CONN	S_CON_dss1(cr_in3)		11.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in3, c_ADDInv (TCV_inv_id, TCV_conf_id))		12.
15		ACHx? DISCr	R_DISC_dss1(cr_in3)		13.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1. 7. Coordinate the adding of a new conferee. 8. Add the 3rd conferee to the conference. 9. Disconnect call with CR2. 10. Assist call set up for the 3rd call (CR3). 11. Answer the 3rd call. 12. Add a new conferee to the conference. 13. Disconnect call with CR3. 14. Isolate the party located at SPB 15. Reattach the party 16. Release the conference.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_isolate Group : S_CONF/ Objective : To isolate one and reattach it Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_ISOinv(TCV_inv_id,TC V_party_id1))		14.
2		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_REAinv(TCV_inv_id,TC V_party_id1))		15.
Detailed Comments : 14. Isolate the party located at SPB 15. Reattach the party 16. Release the conference.					

Test Step Dynamic Behaviour					
Test Step Name : I_10_5_6 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which isolated notify					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot_anyCIC		5.
2		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_isolated)]	CPG_AB_GenNot_anyCIC		6.
3		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_isolated)]	CPG_AB_GenNot_anyCIC		6.
4		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_reattached)]	CPG_AB_GenNot_anyCIC		7.
5		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_reattached)]	CPG_AB_GenNot_anyCIC		7.
6		+Check_conf_communication_AC(cic)			
Detailed Comments : 5. Notify previous conferee by sending him/her 'other_party_added' in the CPG. 6. Notify previous conferee by sending him/her 'other_party_isolated' in the CPG. 7. Notify previous conferee by sending him/her 'other_party_reattached' in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_10_7 Group : S_CONF/ Objective : To initiate call setup, begin the conference, add two parties and split a party Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_comp(c_S PLinv (TCV_inv_id, TCV_conf_id, TCV_party_id1))		4.
2		ACHy? CONNr	R_CON_dss1_comp(c_SP Lrr (TCV_inv_id))		5.
Detailed Comments : 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1. 7. Coordinate the adding of a new conferee. 8. Add the 3rd conferee to the conference. 9. Disconnect call with CR2. 10. Assist call set up for the 3rd call (CR3). 11. Answer the 3rd call. 12. Add a new conferee to the conference. 13. Disconnect call with CR3. 14. Split the party located at SPB. 15. Create the private communication 16. Check propriety of speech.					

Test Step Dynamic Behaviour					
Test Step Name : I_10_7 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_split)]	CPG_AB_GenNot_anyCIC		6.
2		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_split)]	CPG_AB_GenNot_anyCIC		6.
Detailed Comments : 1. The 1st call is held. 2. Trigger set up of the 2nd call. 3. Notify subscriber at SPC by sending him/her 'conference established' in the CPG. 4. Check communication towards each conferee. 5. Notify previous conferee by sending him/her 'other_party_added' in the CPG. 6. Notify previous conferee by sending him/her 'other_party_split' in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_drop Group : S_CONF/ Objective : To initiate drop Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_DROinv (TCV_inv_id, TCV_party_id1))	(P)	14.
Detailed Comments : 14. Drop the party located at SPB					

Test Step Dynamic Behaviour					
Test Step Name : I_10_8_9 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_disc)]	CPG_AB_GenNot_anyCIC		6.
2		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_disc)]	CPG_AB_GenNot_anyCIC		6.
Detailed Comments : 6. Notify previous conferee by sending him/her 'other_party_disconnected' in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_pty_disc Group : S_CONF/ Objective : To initiate 'party disconnected' Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! FACr	R_FACILITY_dss1_comp(cr_in, c_PARinv (TCV_party_id1))		14.
Detailed Comments : 14. Notify 'party disconnected' from the party located at SPB.					

Test Step Dynamic Behaviour					
Test Step Name : M_access_10_11 Group : S_CONF/ Objective : To initiate call setup, begin the conference and add maximum number of conferees + 1 Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_assist_setup_1_10_11,A_PTC:A_initiate_setup_2_10_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_try_new_conf Group : S_CONF/ Objective : To try new conference when maximum number of conferees are activated. Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		15.
2		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
3		ACHx! CONN	S_CON_dss1(cr_in2)		16.
4		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv (TCV_inv_id, TCV_conf_id))		17.
5		ACHx? DISCr	R_DISC_dss1(cr_in2)		18.
Detailed Comments : 15. Assist call set up for the nth call (CRn+1). 16. Answer the n+1th call. 17. Add a new conferee to the conference. 18. Call with CRn+1 is disconnected by the remote user at SPC.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_setup_1_10_11 Group : S_CONF/ Objective : To initiate call setup, begin the conference and add maximum number of conferees + 1 Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
3		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
4		ACHx! CONN	S_CON_dss1(cr_in2)		2.
5		ACHx! HOLD	S_HOLD_dss1(cr_in2)		3.
6		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in2)		
7		A_CP? CM_GO_AHEAD	CM_go_ahead1		7.
8		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv (TCV_inv_id, TCV_conf_id))		8.
9		ACHx? DISCr	R_DISC_dss1(cr_in2)	(P)	9.
10		(TCV_count0:=4)			
11		REPEAT Add_conferee UNTIL [TCV_count0= TSP_max_participant]			
12		+Try_add_conferee			
		Add_conferee			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		11.
14		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
15		ACHx! CONN	S_CON_dss1(cr_in2)		12.
16		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv (TCV_inv_id, TCV_conf_id))		13.
17		ACHx? DISCr	R_DISC_dss1(cr_in2)		14.
18		(TCV_count0:=TCV_count0+1) Try_add_conferee			
19		ACHx? SETUPr(cr_in2 := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		15.
20		ACHx! ALERT	S_ALERT_dss1(cr_in2)		
21		ACHx! CONN	S_CON_dss1(cr_in2)		16.
22		ACHx! FACdss1	S_FACILITY_dss1_comp(cr_in2, c_ADDInv (TCV_inv_id, TCV_conf_id))		17.
23		ACHx? DISCr	R_DISC_dss1(cr_in2)		18.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered					

Continued on next page

*Continued from previous page***Test Step Dynamic Behaviour****Detailed Comments : ...**

6. Begin the conference on call with CR1.
7. Coordinate the adding of a new conferee.
8. Add the 3rd conferee to the conference.
9. Disconnect call with CR2.
10. Release the conference.
11. Assist call set up for the nth call (CRn).
12. Answer the nth call.
13. Add a new conferee to the conference.
14. Disconnect call with CRn+1.
15. Assist call set up for the nth call (CRn+1).
16. Answer the n+1th call.
17. Add a new conferee to the conference.
18. Call with CRn+1 is disconnected by the remote user at SPC.

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_10_11 Group : S_CONF/ Objective : To initiate call setup, begin the conference and add maximum number of conferees + 1 Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACHy! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		4.
4		ACHy? ALERTr	R_ALERT_dss1(cr_in)		
5		ACHy? CONNr	R_CON_dss1(cr_in)		5.
6		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_BEG1inv(TCV_inv_id))		6.
7		A_CP! CM_GO_AHEAD	CM_go_ahead1		7.
8		A_CP? CM_GO_AHEAD	CM_go_ahead2		
9		ACHy! DISC	S_DISC_dss1(cr_in)	(P)	10.
Detailed Comments : 1. Assist 1st call from SPC (TSP_Nb_A) with CR2. 2. The 1st call is answered. 3. Hold the 1st call. 4. Initiate 2nd call to SPB (TSP_Nb_B) with CR1. 5. The 2nd call is answered 6. Begin the conference on call with CR1. 7. Coordinate the adding of a new conferee. 8. Add the 3rd conferee to the conference. 9. Disconnect call with CR2. 10. Release the conference.					

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour				
Detailed Comments : ... 11. Assist call set up for the nth call (CRn). 12. Answer the nth call. 13. Add a new conferee to the conference. 14. Disconnect call with CRn+1. 15. Assist call set up for the nth call (CRn+1). 16. Answer the n+1th call. 17. Add a new conferee to the conference. 18. Call with CRn+1 is disconnected by the remote user at SPC.				

Test Step Dynamic Behaviour				
Test Step Name : SS_10_11 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an incoming call.				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		CREATE (I_PTC:I_10_11)		
Detailed Comments :				

Test Step Dynamic Behaviour					
Test Step Name : I_10_11 Group : S_CONF/ Objective : Initiates a new conference when max of conferences are activated Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(cic:=TSO_Next_CIC(cic))			
2		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
3		LAC? R_ACM	ACM_AC(cic)		
4		LAC? R_ANM	ANM_AC(cic)	(P)	
5		+Wait_T_WAIT			6.
6		LAC! S_REL	REL_CA(cic)		
7		LAC? R_RLC	RLC_AC(cic)		
Detailed Comments : 6. The attempt to add another conferee should fail.					

Test Step Dynamic Behaviour					
Test Step Name : A_assist_wait_disc Group : S_CONF/ Objective : To wait disconnect Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx? DISCr	R_DISC_dss1(TSV_CREF 2)		1.
Detailed Comments : 1. Disconnect call with CR3.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_reattach Group : S_CONF/ Objective : To initiate reattach Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! FACdss1	S_FACILITY_dss1_comp(cr_in, c_REAinv (TCV_inv_id, TCV_party_id1))		14.
Detailed Comments : 14. Reattach the party without isoling it previously					

Test Step Dynamic Behaviour					
Test Step Name : SS_10_12 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_10_12)			
Detailed Comments : 1. The 1st call is held. 2. Trigger set up of the 2nd call. 3. Notify subscriber at SPC by sending him/her 'conference established' in the CPG. 4. Check communication towards each conferee. 5. Notify previous conferee by sending him/her 'other_party_added' in the CPG. 6. No CPG message with 'other party reattached' should be received.					

Test Step Dynamic Behaviour					
Test Step Name : I_10_12 Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(cic)		1.
7		A_CP! CM_GO_AHEAD	CM_go_ahead		2.
8		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(cic)		3.
9		+Check_conf_communication_AC(cic)			4.
10		+Add_conferee			
11		+Clear_conference			
		Add_conferee			
12		(cic:=TSO_Next_CIC(cic))			
13		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
14		LAC? R_ACM	ACM_AC(cic)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		LAC? R_ANM	ANM_AC(cic)		
16		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(cic)		3.
17		+Notify_conferees			
18		+Check_conf_communication_AC(cic)			4.
		Clear_conference			
19		LAC? R_REL (cic:=R_REL.isup_pdu.CIC)	REL_AC_anyCIC		
20		LAC! S_RLC	RLC_CA(cic)		
21		LAC? R_REL (cic:=R_REL.isup_pdu.CIC)	REL_AC_anyCIC		
22		LAC! S_RLC	RLC_CA(cic)		
		Notify_conferees			
23		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=other_party_add)]	CPG_AB_GenNot_anyCIC	(P)	5.
24		+Wait_T_WAIT			6.
Detailed Comments : 1. The 1st call is held. 2. Trigger set up of the 2nd call. 3. Notify subscriber at SPC by sending him/her 'conference established' in the CPG. 4. Check communication towards each conferee. 5. Notify previous conferee by sending him/her 'other_party_added' in the CPG. 6. No CPG message with 'other party reattached' should be received.					

Test Step Dynamic Behaviour					
Test Step Name : SS_10_13_a					
Group : S_CONF/					
Objective : Initiates a cal set up					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_10_13_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_10_13_a Group : S_CONF/ Objective : Initiates a cal set up Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which assists an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		+Check_communication_I_PTC			
7		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_CA_GenNot(cic)		1.
8		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=other_party_add)	CPG_CA_GenNot(cic)		2.
9		+Check_conf_communication_AC(cic)			
10		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=isolated)	CPG_CA_GenNot(cic)		3.
11		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=reattached)	CPG_CA_GenNot(cic)		4.
12		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=other_party_disc)	CPG_CA_GenNot(cic)		5.
13		+Check_conf_communication_AC(cic)			
14		LAC? R_REL	REL_AC(cic)		6.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. The notification 'conference established' is sent in the CPG. 2. The notification 'other party added' is sent in the CPG. 3. The notification 'isolated' is sent in the CPG. 4. The notification 'reattached' is sent in the CPG. 5. The notification 'iother party disconnected' is sent in the CPG. 6. Release call					

Test Step Dynamic Behaviour					
Test Step Name : SS_10_13_b Group : S_CONF/ Objective : Assits a call set up from the acces side and checks if the notification procedure is supported. Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_10_13_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_10_13_b Group : S_CONF/ Objective : Assits a call set up from the acces side and checks if the notification procedure is supported. Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ISDN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+DSS1_Preamble			
2		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
3		ACH! ALERT	S_ALERT_dss1(cr_in)		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! CONN	S_CON_dss1(cr_in)		
6		+Check_communication_A_PTC			
7		ACH? NOTIFYr	R_NOTIFY_dss1(TSC_ConfEst_NID)	(P)	2.
8		ACH? NOTIFYr	R_NOTIFY_dss1(TSC_OtherPtyAdded_NID)	(P)	3.
9		+Check_communication_A_PTC			
10		ACH? NOTIFYr	R_NOTIFY_dss1(TSC_Isolated_NID)	(P)	4.
11		ACH? NOTIFYr	R_NOTIFY_dss1(TSC_Registered_NID)	(P)	5.
12		ACH? NOTIFYr	R_NOTIFY_dss1(TSC_OtherPtyDisconnected_NID)	(P)	6.
13		+Check_communication_A_PTC			
14		ACH? DISCr	R_DISC_dss1(cr_in)		7.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Detailed Comments : 1. Assist a call set up from SPB. 2. Check that the notification 'conference established' is received from conferee at SPB. 3. Check the notification 'other party added' . 4. Check the notification 'isolated' . 5. Check the notification 'reattached'. 6. Check the notification 'other party disconnected'. 7. Release the conference					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_hold_retrieve					
Group : S_CONF/					
Objective : To initiate hold and retrieve the conference					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy! HOLD	S_HOLD_dss1(cr_in)		14.
2		ACHy? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
3		+Wait_T_WAIT			15.
4		ACHy! RETRIVE	S_RET_dss1(cr_in)		
5		ACHy? RETRIVE_ACKr	R_RET_ACK_dss1		
Detailed Comments : 14. Hold the conference. 15. Retrieve the conference.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_wait_hold_retrieve Group : S_CONF/ Objective : To initiate wait of party holds and retrieves Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy? HOLDr	R_HOLD_dss1		14.
2		ACHy! HOLD_ACK	S_HOLD_ACK_dss1(cr_in)		
3		ACHy? RETRIVER	R_RET_dss1		15.
4		ACHy! RETRIVE_ACK	S_RET_ACK_dss1(cr_in)		
Detailed Comments : 14. User at SPB holds the connection to the conference. 15. User at SPB retrieves the connection to the conference.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_1_a Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_1_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_1_a Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN_CgPN_G enNb(cic, TSP_Nb_A, TSP_Nb_C_default, TSP_GenNb_C, national)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		2.
9		LAC? R_REL	REL_AC(cic)		
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_1_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_1_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_1_b Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN_CgPN_G enNb(cic, TSP_Nb_A, TSP_Nb_C_default, TSP_GenNb_C, national)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, alerting'. 3. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_2_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_2_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_2_a Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN_CgPN(cic , TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		2.
9		LAC? R_REL	REL_AC(cic)		
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_2_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_2_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_2_b Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN_CgPN(cic , TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, alerting' 3. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_3_a					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_3_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_3_a Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		2.
8		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_3_b					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_3_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_3_b Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
9		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, alerting'. 3. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_4_a					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_4_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_4_a Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb(cic, TSP_Nb_C, national)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		2.
8		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, active".					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_4_b					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_4_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_4_b Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb(cic, TSP_Nb_C, national)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
9		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, alerting'. 3. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_5					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_5 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)	(P)	
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'01'B)		
9		LAC? R_FAC	FAC_AC(cic)		2.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC activating the ECT service.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_6					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_6 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'01'B)		
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC(cic)	(P)	2.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC activating the ECT service (GenNot:' call transfer, active').					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_7					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_7 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'01'B)		
9		LAC? R_FAC	FAC_AC(cic)	(P)	2.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC activating the ECT service.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_8					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_8 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'0'B,'00'B)		2.
9		LAC? R_REL	REL_AC(cic)	(P)	3.
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. Send back the received CTRef with LOPlc 'request' (identical to the one received). 3. Call is rejected.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_9					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_9 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'10'B)		2.
9		LAC? R_REL	REL_AC(cic)	(P)	3.
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. Send back the received CTRef with LOPlc 'response' set to 'simultaneous transfer'. 3. The call is rejected.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_10					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_10 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'00'B)		2.
9		LAC? R_REL	REL_AC(cic)	(P)	3.
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. Send back the received CTRef with LOPlc 'response' set to 'insufficient information'. 3. Call is rejected.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_11					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_11 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP (TCV_CTRef_I:=R_LOP.isup_pdu.CTRef.CTId)	LOP_AC(cic)		
8		LAC! S_LOP	LOP_CA_CTRef(cic,TCV_CTRef_I,'1'B,'00'B)		2.
9		LAC? R_FAC	FAC_AC(cic)	(P)	3.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. Send back the received CTRef with LOPlc 'response' set to 'insufficient information'. 3. FAC activating the ECT service.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_12					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_12 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP START TECTmin, START TECTmax	LOP_AC(cic)		
8		?TIMEOUT TECTmin			
9		LAC? R_REL CANCEL TECTmax	REL_AC(cic)	(P)	2.
10		LAC! S_RLC	RLC_CA(cic)		
11		?TIMEOUT TECTmax			
12		LAC! S_REL	REL_CA(cic)		
13		LAC? R_RLC	RLC_AC(cic)	F	
14		LAC? R_REL CANCEL TECTmin, CANCEL TECTmax	REL_AC(cic)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
15		LAC! S_RLC	RLC_CA(cic)	F	
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. Call is rejected.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_13 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(I_PTC:I_11_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_13 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_LOP START TECTmax	LOP_AC(cic)		
8		?TIMEOUT TECTmax			
9		LAC! S_REL	REL_CA(cic)		2.
10		LAC? R_RLC	RLC_AC(cic)	F	
11		LAC? R_FAC CANCEL TECTmax	FAC_AC(cic)	(P)	3.
12		+R_REL_etc_AC			
13		LAC? R_REL CANCEL TECTmax	REL_AC(cic)	(F)	4.
14		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. TECT expired, release the call.					

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour				
Detailed Comments : ... 3. FAC activating the ECT service. 4. The call should not be released.				

Test Step Dynamic Behaviour					
Test Step Name : SS_11_14_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_14_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_14_a Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot_ServAct(cic)	(P)	2.
9		LAC? R_REL	REL_AC(cic)		
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, active' and ServAct: 'call transfer'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_14_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_14_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_14_b Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot_ServAct(cic)	(P)	2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, alerting' and ServAct: 'call transfer'. 3. FAC with GenNot: 'call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_15					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_15)			
Detailed Comments : .					

Test Step Dynamic Behaviour					
Test Step Name : I_11_15 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: ' hold' – 1st call is put on hold. 2. FAC with GenNot: ' call transfer, alerting'. 3. FAC with GenNot: ' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_16					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_16)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_16 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot_ServAc t(cic)	(P)	3.
10		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: ' hold' – 1st call is put on hold. 2. FAC with GenNot: ' call transfer, alerting'. 3. FAC with GenNot: ' call transfer, active' and ServAct: 'call transfer'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_17					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_17)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_17 Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb_GenNb(cic, TSP_GenNb_C)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_CTNb(cic,TSP_GenNb_B, national)	(P)	3.
9		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, alerting'. 3. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb: TSP_GenNb_B.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_18					
Group : S_ECT/					
Objective : To establish a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_18)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_18 Group : S_ECT/ Objective : To establish a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA_ConNb(cic, TSP_Nb_C, national)		
5		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
6		I_CP! CM_GO_AHEAD	CM_go_ahead		
7		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_CTNb(cic,TSP_ Nb_B, national)	(P)	3.
9		+R_REL_etc_AC			
Detailed Comments : 1. GenNot: 'hold' – 1st call is put on hold. 2. FAC with GenNot: 'call transfer, alerting'. 3. FAC with GenNot: 'call transfer, active', ServAct: 'call transfer' and CTNb: TSP_Nb_B.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_19					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_19)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_19 Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC! S_LOP (S_LOP.isup_pdu.CTRef.CTId:=TSP_CTRef)	LOP_CA(cic)		1.
7		LAC? R_LOP [R_LOP.isup_pdu.CTRef.CTId=TSP_CTRef]	LOP_AC(cic)	(P)	2.
8		LAC! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_CA_GenNot(cic)		3.
9		+R_REL_etc_AC			
Detailed Comments : 1. Send LOP request. 2. Receive LOP response with the same CTRef. 3. FAC with GenNot:'call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_20_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_20_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_20_a Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_CA_GenNot(cic)		1.
7		LAC! S_FAC	FAC_CA_ATP(cic, TSP_Sub_E)		2.
8		LAC? R_FAC	FAC_AC_ATP(cic, TSP_Sub_B)		3.
9		+R_REL_etc_AC			
Detailed Comments : 1. FAC with GenNot:'call transfer, active'. 2. Send sub-address of UNI at SPE, beyond SPC. 3. Receive sub-address from UNI at SPB.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_20_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_20_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_20_b Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC! S_CPG (S_CPG.isup_pdu.GenNot.NotInd:=ctactive)	CPG_CA_GenNot(cic)		1.
6		LAC? R_ANM	ANM_AC(cic)		
7		LAC! S_FAC	FAC_CA_ATP(cic, TSP_Sub_E)		2.
8		LAC? R_FAC	FAC_AC_ATP(cic, TSP_Sub_B)		3.
9		+R_REL_etc_AC			
Detailed Comments : 1. CPG with GenNot:'call transfer, active'. 2. Send sub-address of UNI at SPE, beyond SPC. 3. Receive sub-address from UNI at SPB.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_21_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_21_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_21_a Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		(TCV_otherCC:=TRUE)			1.
7		LAC! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_CA_CTNb(cic, TSO_s_fwd_test(TSP_Nb_ E,TSP_ownCC,TSP_foreig nCC,TSP_config,TCV_oth erCC), TSO_s_fwd_NatAdrl_test(TSP_config))		2.
8		+R_REL_etc_AC			
Detailed Comments : 1. For IncIE this will assure that an international number with TSP_foreignCC will be assembled. 2. FAC with GenNot: 'call transfer, active' with appropriate TSP_Nb_E as CTNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_21_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_21_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_21_b Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		(TCV_otherCC:=TRUE)			1.
6		LAC! S_CPG (S_CPG.isup_pdu.GenNot.NotInd:=ctactive)	CPG_CA_CTNb(cic, TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		2.
7		LAC? R_ANM	ANM_AC(cic)		
8		+R_REL_etc_AC			
Detailed Comments : 1. For IncIE this will assure that an international number with TSP_foreignCC will be assembled. 2. CPG with GenNot:'call transfer, active' with TSP_Nb_E as CTNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_22_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_22_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_22_a Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_CA_CTNb(cic, TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		1.
7		+R_REL_etc_AC			
Detailed Comments : 1. FAC with GenNot:'call transfer, active' with TSP_Nb_E as national (significant) CTNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_22_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_22_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_22_b Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC! S_CPG (S_CPG.isup_pdu.GenNot.NotInd:=ctactive)	CPG_CA_CTNb(cic, TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		1.
6		LAC? R_ANM	ANM_AC(cic)		
7		+R_REL_etc_AC			
Detailed Comments : 1. CPG with GenNot:'call transfer, active' with TSP_Nb_E as national (significant) CTNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_23_a					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_23_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_23_a Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC! S_FAC (S_FAC.isup_pdu.GenNot.NotInd:=ctactive)	FAC_CA_CTNb(cic, TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		1.
7		+R_REL_etc_AC			
Detailed Comments : 1. FAC with GenNot:'call transfer, active' with TSP_Nb_E as international CTNb with country code equal to that of the incoming network.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_23_b					
Group : S_ECT/					
Objective : To establish a call from SPC to SPB					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_23_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_23_b Group : S_ECT/ Objective : To establish a call from SPC to SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC! S_CPG (S_CPG.isup_pdu.GenNot.NotInd:=ctactive)	CPG_CA_CTNb(cic, TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		1.
6		LAC? R_ANM	ANM_AC(cic)		
7		+R_REL_etc_AC			
Detailed Comments : 1. CPG with GenNot:'call transfer, active' with TSP_Nb_E as international CTNb with country code equal to that of the incoming network.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_24					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_24)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_24 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.PDC.PDC_field:= TSO_INT_TO_OCT(TSP_PDC))	IAM_CA_PDC(cic,TSP_N b_A)		1.
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		2.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
9		LAC? R_REL	REL_AC(cic)		
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Send an IAM with Propagation delay counter set to 50 ms. 2. GenNot:' hold' – 1st call is put on hold. 3. FAC with GenNot:' call transfer, active'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_25					
Group : S_ECT/					
Objective : To establish a call to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (T_PTC:T_11_25)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : T_11_25 Group : S_ECT/ Objective : To establish a call to SPC Default : AnyOtherEventUnexpected_T_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		TAC? Non_ISUP_IND	R_IAI		
3		TAC! Non_ISUP_REQ	S_TUP_ACM		
4		+Check_ringing_tone_CA			
5		TAC! Non_ISUP_REQ	S_ANC		
6		[TSP_CT_LOP_ins_inf]			
7		+Check_communication_I_PTC			
8		TAC? Non_ISUP_IND	R_CCL		
9		[NOT TSP_CT_LOP_ins_inf]			
10		TAC? Non_ISUP_IND	R_CCL		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_26					
Group : S_ECT/					
Objective : To establish a call to SPC					
Default : AnyOtherEventUnexpected_T_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (T_PTC:T_11_26)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : T_11_26 Group : S_ECT/ Objective : To establish a call to SPC Default : AnyOtherEventUnexpected_T_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		TAC? Non_ISUP_IND	R_IAI		
3		TAC! Non_ISUP_REQ	S_TUP_ACM		
4		+Check_ringing_tone_CA			
5		TAC! Non_ISUP_REQ	S_ANC		
6		+Check_communication_I_PTC			
7		TAC? Non_ISUP_IND	R_CCL		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_27_28					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_27_28)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_27_28 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		1.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		2.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
12		LAC? R_REL	REL_AC(cic)		4.
13		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. GenNot:' hold' – 1st call is put on hold. 2. FAC with GenNot:' call transfer, alerting' 3. The 2nd call is answered: FAC with GenNot:' call transfer, active' (TC 27 case a/TC 28). 4. The 2nd call is released (TC 27 case b).					

Test Step Dynamic Behaviour					
Test Step Name : SS_11_29					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_29)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_29 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.UUInd.Type:=0'B, S_IAM.isup_pdu.UUInd.Serv3:=req_not_essential)	IAM_CA_CdPN_UUInd(cic , TSP_Nb_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.UUInd.Type=1'B) AND (R_ACM.isup_pdu.UUInd.Serv2=provided)]	ACM_AC_UUInd(cic)		2.
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		3.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC! S_USR	USR_CA(cic)		4.
9		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctalert]	FAC_AC_GenNot(cic)		5.
10		LAB! S_USR	USR_BA(cic)		6.
11		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		7.
12		LAC? R_REL	REL_AC(cic)		
13		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Set up the 1st call and request UUS3. 2. The requested UUS3 service is accepted by the user at SPA. 3. GenNot:' hold' – 1st call is put on hold. 4. Send the 1st USR message. The UUInf should be received on the access side.					

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour				
Detailed Comments : ... 5. FAC with GenNot:' call transfer, alerting'. 6. Send the 2nd USR message. The UUInf should not be received on the access side. 7. The 2nd call is answered: FAC with GenNot:' call transfer, active'.				

Test Step Dynamic Behaviour					
Test Step Name : SS_11_30					
Group : S_ECT/					
Objective : To establish a call from SPC to SPA					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_11_30)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_11_30 Group : S_ECT/ Objective : To establish a call from SPC to SPA Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_ATP_CdPN_CgP N(cic, TSP_Nb_A, TSP_Nb_C, TSP_Sub_C)		1.
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC? R_CPG [R_CPG.isup_pdu.GenNot.NotInd=hold]	CPG_AC_GenNot(cic)		2.
7		I_CP! CM_GO_AHEAD	CM_go_ahead		
8		LAC? R_FAC [R_FAC.isup_pdu.GenNot.NotInd=ctactive]	FAC_AC_GenNot(cic)		3.
9		LAC? R_FAC	FAC_AC_ATP(cic, TSP_Sub_B)	(P)	4.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Set up the 1st call specifying a calling party number and a calling sub-address. 2. GenNot:' hold' – 1st call is put on hold. 3. FAC with GenNot:' call transfer, active'. 4. Receive sub-address from UNI at SPB.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_1 (Instr : PrintableString)					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_1					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1_cdiv	(P)	1.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+R_CONNECT_etc_AC			
Detailed Comments : 1. Alerting should occur upon receipt of CPG (alerting) from the network. Note: The Instruction parameter of the step indicates which Redirection indicator is to be received on the access side.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_4 (Instr : PrintableString)					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_4					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1_cdiv_no_r nnb	(P)	1.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+R_CONNECT_etc_AC			
Detailed Comments : 1. Alerting should occur upon receipt of CPG (alerting) from the network. Note: The Instruction parameter of the step indicates which Redirection indicator is to be received on the access side.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_div_occured					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_div_occured)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_div_occured Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd) AND (R_ACM.isup_pdu.CDInf.RnReas=CFU)]	ACM_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd(TSP_Nb_D), TSO_r_bwd_NatAdrl())		1.
5		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	2.
6		+Check_ringing_tone_AC			
7		LAC? R_ANM	ANM_AC(cic)		
8		+R_REL_etc_AC			
Detailed Comments : 1. ACM (no indication) with CDInf, GenNot='call is diverting' and the RnNb. 2. CPG (alerting) with RnNbRes.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_div_mayoccur					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_div_mayoccur)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_div_mayoccur Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.CDInf.RnReas=CFNR]	CPG_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd(TSP_Nb_D), TSO_r_bwd_NatAdrl())		2.
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	3.
7		+Check_ringing_tone_AC			
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
Detailed Comments : 1. ACM with 'call diversion may occur' in the optional backward call indicators. 2. CPG (progress) with CDInf, GenNot='call is diverting' and the RnNb. 3. CPG (alerting) with RnNbRes.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_10					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_10					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_RnInf_OriCdNb_RgNb(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
4		LAC? R_ACM	ACM_AC_RnNbRes(cic)		
5		+R_ANM_etc_AC			
Detailed Comments : 1. Numbers sent: are OriCdNb and RgNb, both equal to TSP_Nb_C because for the 1st forwarding the Redirecting number is identical to the Original called number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_11_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_11_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_11_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_OriCdNb(c ic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ANM_etc_AC			
Detailed Comments : 1. National (significant) OriCdNb NOTE: For the 1st forwarding the Redirecting number is identical to the Original called number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_11_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_11_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_11_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_OriCdNb_ APRI2(cic)		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ANM_etc_AC			
Detailed Comments : 1. 'Address not available' OriCdNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_11_c Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_11_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_11_c					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_OriCdNb(c ic,TSO_s_fwd(TSP_Nb_C) , TSO_s_fwd_NatAdrl())		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ANM_etc_AC			
Detailed Comments : 1. National (significant) OriCdNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_12_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_12_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_12_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_RgNb(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1. ** [4.5] Changed BM 110899 **
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments : For the 1st forwarding the Redirecting number is identical to the Original called number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_12_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_12_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_12_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_RnInf_RgNb_AP RI2(cic)		1.
4		+R_ACM_etc_AC			** [4.5] Changed BM 110899 **
Detailed Comments : 'Address not available' Redirecting number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_12_c					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_12_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_12_c					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_RgNb(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments : 1. National (significant) Redirecting number.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_13_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_13_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_13_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM	ACM_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd(TSP_Nb_D),TSO_r_bwd_NatA drl())	(P)	1.
5		LAC? R_CPG	CPG_AC(cic)		
6		+R_ANM_etc_AC			
Detailed Comments : 1. Receive the converted RnNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_13_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_13_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_13_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM	ACM_AC_CDInf_GenNot_RnNb(cic,TSO_hex_3strcat(TSP_prefix,TSP_foreignCC,TSP_Nb_D),unknown_num)	(P)	1.
5		LAC? R_CPG	CPG_AC(cic)		
6		+R_ANM_etc_AC			
Detailed Comments : 1. Receive the RnNb with prefix of 'unknown' format.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_14_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_14_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_14_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			1.
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_RnInf_OriCdNb(cic,TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		
4		+R_ACM_etc_AC			
Detailed Comments : 1. The sent IAM contains an OriCdNb coded as an international number with its own country code.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_14_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_14_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_14_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_OriCdNb(c ic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
2		(cic:=TSP_CIC_L)			
3		(TCV_otherCC:=TRUE)			
4		LAC! S_IAM			
5		+R_ACM_etc_AC			
Detailed Comments : 1. The sent IAM contains an OriCdNb coded as an international number with its own country code.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_InitiateCallToBeDiverted					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_InitiateCallToBeDiverted)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_InitiateCallToBeDiverted Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			
12		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+R_ANM_etc_AC			
Detailed Comments : 1. Send an IAM to a subscriber located at SPA. 2. "Call diversion may occur" for CFNR, CD(a). 3. The call is diverting. 4. "Call diversion may occur" for CFB(u,e), CD(i,e). 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_15_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_15_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_15_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_RgNb(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1. ** [4.5] Changed BM 110899 **
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments : 1) The Address signals of the international RgNb will include the own country code and TSP_Nb_C , because the variable TCV_otherCC is set to false by default.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_15_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_15_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_15_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		(TCV_otherCC := TRUE)			
4		LAC! S_IAM	IAM_CA_RnInf_RgNb(cic, TSO_s_fwd(TSP_Nb_C), TSO_s_fwd_NatAdrl())		1.
5		+R_ACM_etc_AC			** [4.5] Changed BM 110899 **
Detailed Comments : 1) The Address signals of the international RgNb will include foreign country code and TSP_Nb_C , because the variable TCV_otherCC is set to TRUE.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_15_c Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_15_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_15_c					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_RnInf_RgNb_AP RI2(cic)		** [4.5] Changed BM 110899 **
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM			
4		+R_ACM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_16_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_16_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_16_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM	ACM_AC_CDInf_GenNot_NO_RnNb(cic)	(P)	1.
5		LAC? R_CPG	CPG_AC(cic)		
6		+R_ANM_etc_AC			
Detailed Comments : 1.RnNb should be removed from ACM.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_16_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_16_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_16_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM	ACM_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd_test(TSP_Nb_D,TSP_ownCC,TSP_foreignCC,TSP_config,TCV_otherCC),TSO_r_bwd_NatAdrl_test(TSP_config,TCV_otherCC))	(P)	1. ** [4.7] Changed 110899 BM **
5		LAC? R_CPG	CPG_AC_RnNbRes(cic)		 ** [4.7] Changed 110899 BM **
6		+R_ANM_etc_AC			
Detailed Comments : 1.RnNb should be removed from ACM.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_17					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_17)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_17 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_B)		
4		LAC? R_ACM	ACM_AC_CDInf_GenNot_NO_RnNb(cic)		1.
5		LAC? R_CPG	CPG_AC_NO_RnNbRes(cic)	(P)	3.
6		+R_ANM_etc_AC			
Detailed Comments : 1.RnNb should be removed from ACM. 2.RnNbRes should also be removed from ACM.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_23					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_23)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_23 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.RnInf.RnCntr:=INT_TO_BIT(3,4))	IAM_CA_RnInf_OriCdNb_RgNb(cic, TSO_s_fwd(TSP_Nb_D), TSO_s_fwd(TSP_Nb_E), TSO_s_fwd_NatAdrl())		1.
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd(TSP_Nb_D),TSO_r_bwd_NatAdrl())		
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
7		+Check_ringing_tone_AC			
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_CDInf_GenNot_RnNb(cic,TSO_r_bwd(TSP_Nb_D),TSO_r_bwd_NatAdrl())		3.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		LAC? R_CPG	CPG_AC(cic)	(P)	
12		+Check_ringing_tone_AC			
13		LAC? R_ANM	ANM_AC(cic)		
14		+R_REL_etc_AC			
Detailed Comments : 1. Call with InitDiv previous diversions simulated, OriCdNb. 2. In case of CFNR, CD(a), CFB(u,e), CD(i,e). 3. In case of CFU, CFB(n), CFG(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_26_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_26_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_26_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.FCI.IPI := ISUPnot_required)	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
7		+Check_ringing_tone_AC			
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		2.
11		LAC? R_CPG	CPG_AC(cic)	(P)	
12		+Check_ringing_tone_AC			
13		LAC? R_ANM	ANM_AC(cic)		
14		+R_REL_etc_AC			
Detailed Comments : 1. In case of CFNR, CD(a), CFB(u,e), CD(i,e). 2. In case of CFU, CFB(n), CFG(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_26_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_26_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_26_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.FCI.IPI := ISUPpreferred)	IAM_CA_CdPN(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		
5		LAC? R_CPG	CPG_AC_GenNot(cic)		
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
7		+Check_ringing_tone_AC			
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		2.
11		LAC? R_CPG	CPG_AC(cic)	(P)	
12		+Check_ringing_tone_AC			
13		LAC? R_ANM	ANM_AC(cic)		
14		+R_REL_etc_AC			
Detailed Comments : 1. In case of CFNR, CD(a), CFB(u,e), CD(i,e). 2. In case of CFU, CFB(n), CFG(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_26_c					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_26_c)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_26_c Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.FCI.IPI := ISUPrequired)	IAM_CA_CdPN(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		
5		LAC? R_CPG	CPG_AC_GenNot(cic)		
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
7		+Check_ringing_tone_AC			
8		LAC? R_ANM	ANM_AC(cic)		
9		+R_REL_etc_AC			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		2.
11		LAC? R_CPG	CPG_AC(cic)	(P)	
12		+Check_ringing_tone_AC			
13		LAC? R_ANM	ANM_AC(cic)		
14		+R_REL_etc_AC			
Detailed Comments : 1. In case of CFNR, CD(a), CFB(u,e), CD(i,e). 2. In case of CFU, CFB(n), CFG(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_27					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_27)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_27 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)	(P)	1.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		
6		LAC? R_CPG	CPG_AC_RnNbRes(cic)		
7		+R_ANM_etc_AC			
Detailed Comments : 1. ACM with 'call diversion may occur' in the optional backward call indicators.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_28_a					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_28_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_28_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2) START TCFNRmin	R_SETUP_dss1		
3		ACH! ALERT	S_ALERT_dss1(cr_in)	(P)	
4		?TIMEOUT TCFNRmin			1.
5		+S_CONNECT_etc_CA			2.
Detailed Comments : 1. Served user waits before answering Call (less than Timer CFNR). 2. Call is answered by served (diverting) user before timeout of CFNR.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_28_i					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_28_i)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_28_i					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		+R_ANM_etc_AC			2.
Detailed Comments : 1. ACM with 'call diversion may occur' in the optional backward call indicators. 2. Call is answered by served (diverting) user before timeout of CFNR.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_29					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_29)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_29 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		2.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		3.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		4.
11		+Common_branch			
		Common_branch			
12		+Check_communication_I_PTC			5.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
14		+R_ANM_etc_AC			
Detailed Comments : 1. "Call diversion may occur" for CFNR(B), CD(a,B). 2. The call is diverting. 3. "Call diversion may occur" for CFB(u,e), CD(i,e). 4. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l). 5. Check of immediate throughconnection in both directions.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_30 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_30)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_30 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		2.
6		+Check_NO_communication_stim			3.
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		5.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Check_NO_communication_stim			3.
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		6.
11		+Check_NO_communication_stim			3.
		Check_NO_communication_stim			
12		CAC? TONE_IND	R_COMM_TONE(cic)	(F)	

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	4.
14		+R_ANM_etc_AC			7.
Detailed Comments : 1. "Call diversion may occur" for CFNR(B), CD(a,B). 2. The call is diverting. 3. Will disrupt call handling and cause failure if received unexpectedly at MTC. 4. Mapped from the ACM of the right side. 5. "Call diversion may occur" for CFB(u,e), CD(i,e) 6. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l). 7. Throughconnection after ACM, ANM is done by normal steps Check_ringing_tone and Check_communication.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_31_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which accepts a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_31_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_31_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which accepts a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND START TCFNRmax	R_SETUP		
3		ACH! ACCESS_REQ	S_ALERT		
4		?TIMEOUT TCFNRmax			1.
5		+S_CONNECT_etc_CA			2.
Detailed Comments : 1. Served user waits before answering call (till after expiry of Timer CFNR). 2. Call is answered by served (diverting) user after timeout of CFNR.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_31_i					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_31_i)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_31_i Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)	(P)	1.
5		+R_ANM_etc_AC			
Detailed Comments : 1. ACM with 'call diversion may occur' in the optional backward call indicators.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_32_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_32_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_32_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		
3		ACH! ACCESS_REQ	S_ALERT		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 1. Ringing tone is sent, coordination is done thru the right side MTC.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_32_i					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_32_i)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_32_i Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM START T9min	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		
5		+Check_ringing_tone_AC			1.
6		?TIMEOUT T9min			2.
7		LAC! S_REL	REL_CA(cic)		
8		LAC? R_RLC	RLC_AC(cic)		
Detailed Comments : 1. Ringing tone is received. 2. This timer simulates T9 at the controlling exchange.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_33					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_33)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_33 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		1.
5		LAC? R_REL	REL_AC(cic)	(P)	4.
6		LAC! S_RLC	RLC_CA(cic)		
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		LAC? R_REL	REL_AC(cic)	(P)	4.
10		LAC! S_RLC	RLC_CA(cic)		
11		LAC? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=NoInd]	ACM_AC_GenNot(cic)		3.
12		LAC? R_REL	REL_AC(cic)	(P)	4.
13		LAC! S_RLC	RLC_CA(cic)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour	
Detailed Comments : 1. "Call diversion may occur" for CFNR(B), CD(a,B). 2. "Call diversion may occur" for CFB(u,e), CD(i,e). 3. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l). 4. Check that the IUT releases the resources.	

Test Step Dynamic Behaviour					
Test Step Name : SS_12_34 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_34)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_34 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=subsfree]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [(R_CPG.isup_pdu.CDInf.RnReas=CFU) AND (R_CPG.isup_pdu.CDInf.NSO='011'B) AND (R_CPG.isup_pdu.RnNbRes.RnNbResl='01'B)]	CPG_AC_CDInf_GenNot_RnNb(cic,TSP_Nb_D,national)	(P)	2.
6		+R_ANM_etc_AC			
Detailed Comments : 1. ACM (subscriber free) with "Call diversion may occur" for CFNR(A), CD(a,A). 2. CPG (alerting) with CDInf: RnReas=CFU, NSO=011 (presentation allowed, no RnNb), RnNb=TSP_Nb_D, RnNbRes=01 (user at UNI D has COLR activated).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_35					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_35)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_35 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=subsfree]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_CDInf_GenNot_RnNb_RnNbRes(cic,TSP_Nb_B, national)		2.
6		+Common_tree			
7		LAC? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=NoInd]	ACM_AC_OBCI(cic)		5.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_CDInf_GenNot_RnNb(cic,TSP_Nb_B, national)		
9		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_RnNbRes(cic)		6.
10		+Common_tree			
11		LAC? R_ACM [R_ACM.isup_pdu.BCI.CdPSI=NoInd]	ACM_AC_CDInf_GenNot_RnNb(cic,TSP_Nb_B, national)		7.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_RnNbRes(cic)		6.
13		+Common_tree			
14		Common_tree LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_CDInf_GenNot_RnNb(cic,TSP_Nb_D,national)		3.
15		LAC? R_CPG [R_CPG.isup_pdu.RnNbRes.RnNbResI='01'B]	CPG_AC_RnNbRes(cic)	(P)	4.
16		+R_ANM_etc_AC			
Detailed Comments : 1. ACM (subscriber free) with "Call diversion may occur" for CFNR(B), CD(a,B) 2. After timer expiry receive diversion information pertaining to user at UNI B with COLP setting. 3. Receive diversion information pertaining to user at UNI D. 4. Receive COLR setting of user at UNI D (RnNbRes). 5. ACM (no indication) "Call diversion may occur" for CFB(u,e), CD(i,e) followed by CPG (progress) 6. Receive COLP setting of user at UNI B (RnNbRes). 7. ACM (no indication) "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l)					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_36					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_36)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_36 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		2.
6		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=alerting_inf]	CPG_AC(cic)		3.
7		LAC? R_ANM	ANM_AC_RnNbRes(cic)	(P)	4.
8		+R_REL_etc_AC			5.
Detailed Comments : 1. In case of CFNR(A), CD(a,A) – call diversion may occur. 2. CPG (progress) – call is diverting. 3. CPG (alerting) with the stored information is received. 4. ANM mapped from CON. 5. Check of immediate throughconnection in both directions.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_37					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_37)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_37 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		2.
6		LAC? R_ANM	ANM_AC_RnNbRes(cic)	(P)	4.
7		+R_REL_etc_AC			5.
8		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		3.
9		LAC? R_ANM	ANM_AC_RnNbRes(cic)	(P)	4.
10		+R_REL_etc_AC			5.
Detailed Comments : 1. In case of CFNR(B), CD(a,B), CFB(u,e), CD(i,e) – call diversion may occur. 2. CPG (progress) – Call is diverting. 3. In case of CFU, CFB(n), CFB(u,l), CD(i,l) – call is diverting. 4. ANM mapped from CON. 5. Check of immediate throughconnection in both directions.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_38					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_38)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_38 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		2.
6		+Check_Release_after_T7_expiry			4.
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		3.
8		+Check_Release_after_T7_expiry			4.
		Check_Release_after_T7_expiry			
9		START T7min, START T7max			
10		?TIMEOUT T7min			
11		LAC? R_REL CANCEL T7max	REL_AC(cic)	(P)	
12		LAC! S_RLC	RLC_CA(cic)		
13		?TIMEOUT T7max		(F)	

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour	
Detailed Comments : 1. In case of CFNR, CD(a), CFB(u,e), CD(i,e) call diversion may occur indication. 2. Call is diverting notification. 3. In case of CFU, CFB(n), CFB(u,l), CD(i,l) call is diverting notification. 4. Check of that call is released on leg before diversion after timeout of T7.	

Test Step Dynamic Behaviour					
Test Step Name : SS_12_39 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_39)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_39 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which continues a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		
4		LAC? R_ACM [R_ACM.isup_pdu.OBCI.CDmo='1'B]	ACM_AC_OBCI(cic)		1.
5		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		2.
6		LAC? R_CPG	CPG_AC(cic)		4.
7		+Check_Release_after_T9_expiry			5.
8		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		3.
9		LAC? R_CPG	CPG_AC(cic)		4.
10		+Check_Release_after_T9_expiry			5.
		Check_Release_after_T9_expiry			
11		START T9min, START T9max			
12		?TIMEOUT T9min			
13		LAC? R_REL CANCEL T7max	REL_AC(cic)	(P)	

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		LAC! S_RLC	RLC_CA(cic)	(F)	
15		?TIMEOUT T9max			
Detailed Comments : 1. In case of CFNR, CD(a), CFB(u,e), CD(i,e) call diversion may occur indication. 2. Call is diverting notification. 3. In case of CFU, CFB(n), CFB(u,l), CD(i,l) call is diverting notification. 4 CPG alerting. 5. Check of that call is released on leg before diversion after timeout of T9.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_41_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which sets up a speech call and releases the call after TCFNR expiry.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_41_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_41_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches the stimulus which sets up a speech call and releases the call after TCFNR expiry.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2) START TCFNRmin	R_SETUP_dss1		
3		ACH! ALERT	S_ALERT_dss1(cr_in)		
4		+Check_ringing_tone_CA_A_PTC			
5		?TIMEOUT TCFNRmin			
6		ACH? DISCr	R_DISC_dss1(cr_in)	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_41_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the stimulus which sets up a speech call and accepts release					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_12_41_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_12_41_b					
Group : S_CDIV/					
Objective : Initiate a call set up with the expected parameters					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches the stimulus which sets up a speech call and accepts release					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		
3		ACH! ACCESS_REQ	S_ALERT		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH? ACCESS_IND	R_DISC		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_42					
Group : S_CDIV/					
Objective : To send an IAM containing a propagation delay counter PDC set to a predetermined value					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_42)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_42 Group : S_CDIV/ Objective : To send an IAM containing a propagation delay counter PDC set to a predetermined value Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an incoming call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.PDC.PDC_field:=TSO_INT_TO_OCT(TSP_PDC_X))	IAM_CA_PDC(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
13		+R_ANM_etc_AC			
Detailed Comments : 1. Send an IAM with Propagation delay counter set to X ms. 2. "Call diversion may occur" for CFNR, CD(a). 3. The call is diverting. 4. "Call diversion may occur" for CFB(u,e), CD(i,e). 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_43_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_43_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_43_a Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			
12		LAC? R_CPG	CPG_AC_RnNbRes(cic)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+Check_ringing_tone_AC	ANM_AC_ConNb_GenNb_AdSg(cic,TSP_Nb_B_default,TSP_GenNb_B,national)	(P)	6.
14		LAC? R_ANM			
15		+R_REL_etc_AC			
Detailed Comments : 1. Send an IAM to a subscriber located at SPA. 2. "Call diversion may occur" for CFNR, CD(a) 3. The call is diverting 4. "Call diversion may occur" for CFB(u,e), CD(i,e) 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l) 6. Receipt of the ConNb and addConNb in GenNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_43_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_43_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_43_b Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic,TSP_Nb_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAC? R_ANM	ANM_AC_RnNbRes_Con Nb_GenNb_AdSg(cic,TSP _Nb_B_default,TSP_GenN b_B, national)	(P)	6.
13		+R_REL_etc_AC			
Detailed Comments : 1. Send an IAM to a subscriber located at SPA. 2. "Call diversion may occur" for CFNR, CD(a) 3. The call is diverting 4. "Call diversion may occur" for CFB(u,e), CD(i,e) 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l) 6. Receipt of the ConNb and addConNb in GenNb.					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_44 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_44)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_44 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN_CgPN_G enNb(cic,TSP_Nb_A, TSP_Nb_C_default, TSP_GenNb_C, national)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		Common_branch	ANM_AC(cic)		
13		LAC? R_ANM +R_REL_etc_AC			
Detailed Comments : 1. Send an IAM to a subscriber located at SPA. 2. "Call diversion may occur" for CFNR, CD(a). 3. The call is diverting. 4. "Call diversion may occur" for CFB(u,e), CD(i,e). 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_46 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_46)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_46 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates an outgoing speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.OFCI.CUGCI:='11'B, S_IAM.isup_pdu.FCI.IPI:='10'B)	IAM_CA_CdPN_OFCI_CU GIC(cic,TSP_Nb_A_same CUG_IA)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		LAC? R_CPG	CPG_AC_RnNbRes(cic)	(P)	
13		+R_ANM_etc_AC			
Detailed Comments : 1. Send an IAM with ISUP preference indicator in the FCI set to 'ISUP required all the way' and CUG call indicator in the OFCI set to 'CUG call, with outgoing access not allowed'. 2. "Call diversion may occur" for CFNR, CD(a). 3. The call is diverting. 4. "Call diversion may occur" for CFB(u,e), CD(i,e). 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_47_48 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_12_47_48)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_12_47_48 Group : S_CDIV/ Objective : Initiate a call set up with the expected parameters Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches the stimulus which initiates a speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_ATP_CdPN(cic, TSP_Nb_A, TSP_Sub_A)		1.
4		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=subsfree) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		2.
5		LAC? R_CPG	CPG_AC_GenNot(cic)		3.
6		+Common_branch			
7		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.OBCI.CDmo='1'B)]	ACM_AC_OBCI(cic)		4.
8		LAC? R_CPG [R_CPG.isup_pdu.EvInf.EventI=progress]	CPG_AC_GenNot(cic)		
9		+Common_branch			
10		LAC? R_ACM [(R_ACM.isup_pdu.BCI.CdPSI=NoInd) AND (R_ACM.isup_pdu.BCI.CdPC=NoInd)]	ACM_AC_GenNot(cic)		5.
11		+Common_branch			
		Common_branch			
12		LAC? R_ANM	ANM_AC(cic)		

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+R_REL_etc_AC			
Detailed Comments : 1. Send an IAM to a subscriber located at SPA including a sub-address. 2. "Call diversion may occur" for CFNR, CD(a) 3. The call is diverting. 4. "Call diversion may occur" for CFB(u,e), CD(i,e). 5. "Call is diverting" for CFU, CFB(n), CFB(u,l), CD(i,l).					

Test Step Dynamic Behaviour					
Test Step Name : SS_12_49 Group : S_CDIV/ Objective : To establish a call to SPC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (T_PTC:T_12_49)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : T_12_49 Group : S_CDIV/ Objective : To establish a call to SPC Default : AnyOtherEventUnexpected_T_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		TAC? Non_ISUP_IND	R_IAI		
3		TAC! Non_ISUP_REQ	S_TUP_ACM		
4		+Check_ringing_tone_CA			
5		TAC! Non_ISUP_REQ	S_ANC		
6		+Check_communication_I_PTC			
7		TAC? Non_ISUP_IND	R_CCL		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_1					
Group : S_HOLD/					
Objective : Initiates Call Hold					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_1 Group : S_HOLD/ Objective : Initiates Call Hold Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
9		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
10		+Wait_T_WAIT			
11		+Check_B_channel_release			
12		ACH! RETRIVE	S_RET_dss1(cr_in)		2.
13		ACH? RETRIVE_ACKr	R_RET_ACK_dss1		
14		I_CP! CM_GO_AHEAD	CM_go_ahead		
15		+R_DISC_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_2					
Group : S_HOLD/					
Objective : Receives Call Hold information					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_2 Group : S_HOLD/ Objective : Receives Call Hold information Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? HOLDr	R_HOLD_dss1		1.
9		ACH! HOLD_ACK	S_HOLD_ACK_dss1(cr_in)		
10		+Wait_T_WAIT			
11		+Check_B_channel_release			
12		ACH? RETRIVER	R_RET_dss1		2.
13		ACH! RETRIVE_ACK	S_RET_ACK_dss1(cr_in)	(P)	
14		+R_REL_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_3					
Group : S_HOLD/					
Objective : Initiate call with Call hold after alerting, Call retrieval after answer					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_3 Group : S_HOLD/ Objective : Initiate call with Call hold after alerting, Call retrieval after answer Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
7		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
8		+Check_B_channel_release			
9		I_CP! CM_GO_AHEAD	CM_go_ahead		
10		ACH? CONNr	R_CON_dss1(cr_in)		
11		ACH! RETRIVE	S_RET_dss1(cr_in)		2.
12		ACH? RETRIVE_ACKr	R_RET_ACK_dss1	(P)	
13		+R_DISC_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_4					
Group : S_HOLD/					
Objective : Hold a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_4 Group : S_HOLD/ Objective : Hold a call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr START T9min, START T9max	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_AC_A_PTC			
6		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
7		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
8		?TIMEOUT T9min			
9		ACH? DISCr CANCEL T9max	R_DISC_dss1_19	(P)	
10		?TIMEOUT T9max			
11		ACH? DISCr	R_DISC_dss1_19	(P)	
12		ACH? DISCr CANCEL T9min, CANCEL T9max	R_DISC_dss1_19	(F)	
Detailed Comments : 1. Call is held.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_5					
Group : S_HOLD/					
Objective : Hold and retrieve a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_5					
Group : S_HOLD/					
Objective : Hold and retrieve a call					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		1.
4		ACH! HOLD	S_HOLD_dss1(cr_in)		
5		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
6		+Wait_T_WAIT			
7		+Check_B_channel_release			
8		ACH! RETRIVE	S_RET_dss1(cr_in)		2.
9		ACH? RETRIVE_ACKr	R_RET_ACK_dss1		
10		I_CP! CM_GO_AHEAD	CM_go_ahead		
11		ACH? ACCESS_IND	R_ALERT		
12		+Check_ringing_tone_AC_A_PTC			
13		ACH? ALERTr	R_ALERT_dss1(cr_in)		
14		ACH? CONNr	R_CON_dss1(cr_in)		
15		+R_DISC_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_6_a					
Group : S_HOLD/					
Objective : Initiate call – held by calling user					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_13_6_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_13_6_a Group : S_HOLD/ Objective : Initiate call – held by calling user Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_CA_GenNot(cic)		1.
9		+Wait_T_WAIT			
10		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_CA_GenNot(cic)		2.
11		+R_REL_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_6_b Group : S_HOLD/ Objective : Initiate call – held by called user Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_13_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_13_6_b Group : S_HOLD/ Objective : Initiate call – held by called user Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_ANM	ANM_AC(cic)		
7		+Check_communication_I_PTC			
8		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(cic)	(P)	1.
9		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AC_GenNot(cic)	(P)	2.
10		+R_REL_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_7_a					
Group : S_HOLD/					
Objective : Initiate call – held by calling user					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_13_7_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_13_7_a Group : S_HOLD/ Objective : Initiate call – held by calling user Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_CA_GenNot(cic)		1.
7		LAC? R_ANM	ANM_AC(cic)		
8		+Check_communication_I_PTC			
9		+Wait_T_WAIT			
10		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=retrieve)	CPG_CA_GenNot(cic)		2.
11		+R_REL_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_7_b					
Group : S_HOLD/					
Objective : Initiate stimulus call – held by called party					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_13_7_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_13_7_b Group : S_HOLD/ Objective : Initiate stimulus call – held by called party Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		+Check_ringing_tone_AC			
6		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(cic)	(P)	1.
7		LAC? R_ANM	ANM_AC(cic)		
8		+Check_communication_I_PTC			
9		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=retrieve)]	CPG_AC_GenNot(cic)	(P)	2.
10		+R_REL_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_8 Group : S_HOLD/ Objective : Initiates a PSTN speech call Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates a PSTN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_13_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_13_8 Group : S_HOLD/ Objective : Initiates a PSTN speech call Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates a PSTN speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+Active_call_PSTN			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_9					
Group : S_HOLD/					
Objective : Hold a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_9 Group : S_HOLD/ Objective : Hold a call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
9		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
10		+Wait_T_WAIT			
11		+Check_B_channel_release			
12		+R_DISC_etc_AC			
Detailed Comments : 1. Call is held.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_10					
Group : S_HOLD/					
Objective : Holds a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_10 Group : S_HOLD/ Objective : Holds a call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		
7		+Check_communication_A_PTC			
8		ACH? HOLDr	R_HOLD_dss1		1.
9		ACH! HOLD_ACK	S_HOLD_ACK_dss1(cr_in)		
10		+Check_B_channel_release			
11		+S_DISC_etc_CA			
Detailed Comments : 1. Call is held.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_11					
Group : S_HOLD/					
Objective : Holds a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_11 Group : S_HOLD/ Objective : Holds a call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! HOLD	S_HOLD_dss1(cr_in)		1.
7		ACH? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)		
8		+Wait_T_WAIT			
9		+Check_B_channel_release			
10		+S_DISC_etc_CA			
Detailed Comments : 1. Call is held.					

Test Step Dynamic Behaviour					
Test Step Name : SS_13_12					
Group : S_HOLD/					
Objective : Holds and retrieves a call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_13_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_13_12 Group : S_HOLD/ Objective : Holds and retrieves a call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists an ordinary incoming speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? HOLDr	R_HOLD_dss1		1.
7		+Check_B_channel_release			
8		ACH? RETRIVER	R_RET_dss1	(P)	2.
9		ACH! HOLD_ACK	S_HOLD_ACK_dss1(cr_in)		
10		+R_DISC_etc_AC			
Detailed Comments : 1. Call is held. 2. Call is retrieved.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_1 Group : S_CW/ Objective : Expects Call waiting indication in ALERTING (ACM case) Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_1					
Group : S_CW/					
Objective : Expects Call waiting indication in ALERTING (ACM case)					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1_cw	(P)	1.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+R_CONNECT_etc_AC			
Detailed Comments : 1. Call waiting indication is received in ALERTING.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_2 Group : S_CW/ Objective : Expects Call waiting indication in ALERTING (CPG case) Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_2					
Group : S_CW/					
Objective : Expects Call waiting indication in ALERTING (CPG case)					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1_cw	(P)	1.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		+R_CONNECT_etc_AC			
Detailed Comments : 1. call waiting indication is sent in ALERTING.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_3 Group : S_CW/ Objective : Initiates call and expects a call waiting indication in ACM Default : AnyOtherEventUnexpected Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_14_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_14_3					
Group : S_CW/					
Objective : Initiates call and expects a call waiting indication in ACM					
Default : AnyOtherEventUnexpected_I_PTC					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA(cic) ACM_AC_GenNot(cic)	(P)	
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM			
4		LAC? R_ACM [R_ACM.isup_pdu.GenNot.NotInd=waiting]			
5		+R_ANM_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_4					
Group : S_CW/					
Objective : Initiates call and expects a call waiting indication in CPG					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_14_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_14_4 Group : S_CW/ Objective : Initiates call and expects a call waiting indication in CPG Default : AnyOtherEventUnexpected_I_PTC Comments : Dispatches a stimulus which initiates an ordinary outgoing speech call.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic:=TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=waiting)]	CPG_AC_GenNot(cic)	(P)	
6		LAC? R_ANM	ANM_AC(cic)		
7		+R_REL_etc_AC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_5					
Group : S_CW/					
Objective : Answer waiting call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_5 Group : S_CW/ Objective : Answer waiting call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		+Leave_No_B_channel			
4		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
5		ACH! ALERT	S_ALERT_dss1_cw(cr_in)		1.
6		+Wait_T_WAIT			
7		ACH! CONN	S_CON_dss1(cr_in)		
8		(TCV_count0 := 1)			
9		REPEAT DISConnect UNTIL [TCV_count0 = TSP_maxB_channel]			2.
		DISConnect			
10		+Check_communication_A_PTC			
11		ACH? DISCr	R_DISC_dss1(cr_in)		
12		+Check_circuit_idle_A_PTC			
13		(TCV_count0 := TCV_count0 + 1)			
Detailed Comments : 1. Call waiting indication is sent in Alerting. 2. Disconnect the B-channels in order to get an idle state.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_6					
Group : S_CW/					
Objective : Answer waiting call without notification					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_6 Group : S_CW/ Objective : Answer waiting call without notification Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		+Leave_No_B_channel			
4		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
5		ACH! ALERT	S_ALERT_dss1(cr_in)		1.
6		+Wait_T_WAIT			
7		ACH! CONN	S_CON_dss1(cr_in)		
8		(TCV_count0 := 1)			
9		REPEAT DISConnect UNTIL [TCV_count0 = TSP_maxB_channel]			2.
10		DISConnect			
11		+Check_communication_A_PTC			
12		ACH? DISCr	R_DISC_dss1(cr_in)		
13		+Check_circuit_idle_A_PTC (TCV_count0 := TCV_count0 + 1)			
Detailed Comments : 1. No call waiting indication is sent in Alerting. 2. Disconnect the B-channels in order to get an idle state.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_7					
Group : S_CW/					
Objective : Reject waiting call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_7 Group : S_CW/ Objective : Reject waiting call Default : AnyOtherEventUnexpected_A_PTC Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		+Leave_No_B_channel			
4		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
5		ACH! ALERT	S_ALERT_dss1_cw(cr_in)		1.
6		+Wait_T_WAIT			
7		ACH! DISC	S_DISC_dss1(cr_in)		
8		+Check_circuit_idle_A_PTC			
9		(TCV_count0 := 1)			
10		REPEAT DISConnect UNTIL [TCV_count0 = TSP_maxB_channel]			2.
		DISConnect			
11		+Check_communication_A_PTC			
12		ACH? DISCr	R_DISC_dss1(cr_in)	(P)	
13		+Check_circuit_idle_A_PTC			
14		(TCV_count0 := TCV_count0 + 1)			
Detailed Comments : 1. Call waiting indication is sent in Alerting. 2. Disconnect the B-channels in order to get an idle state.					

Test Step Dynamic Behaviour					
Test Step Name : SS_14_8					
Group : S_CW/					
Objective : Do not answer the waiting call					
Default : AnyOtherEventUnexpected					
Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_14_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_14_8					
Group : S_CW/					
Objective : Do not answer the waiting call					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Dispatches a stimulus which assists ordinary incoming speech calls set up.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	R_SETUP_dss1	(P)	
2		+DSS1_Preamble			
3		+Leave_No_B_channel			
4		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)			
5		+Wait_T_WAIT			
6		ACH? DISCr			
7		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Call waiting indication is sent in Alerting.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_1(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request, CCBS recall, set ISUP Preference Indicator in the CCBS call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_1 Group : S_CCBS/ Objective : Activate CCBS request, CCBS recall, set ISUP Preference Indicator in the CCBS call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		valid SETUP_ACK
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		+ A_access_CCBS_Activation_AB			1./ 2.
7		+Wait_T_WAIT			
8		+ A_access_CCBS_Invocation_AB			2./3.
9		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1_comp (c_Component_CCBSCall _invoke (TCV_inv_id, TSV_CCBSREF))		
10		+R_DISC_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_2(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request, CCBS recall, set CCSS parameter in the CCBS call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_2 Group : S_CCBS/ Objective : Activate CCBS request, CCBS recall, set CCSS parameter in the CCBS call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1		1./ 2.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+ A_access_CCBS_Activation_AB			
5		+Wait_T_WAIT	S_SETUP_dss1_comp (c_Component_CCBSCall _invoke (TCV_inv_id, TSV_CCBSREF))		2./3.
6		+ A_access_CCBS_Invocation_AB			
7		ACH! SETUP(cr_in :=TSV_CREF1)			
8		+R_DISC_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_3(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Set up with call information. Activate CCBS request, CCBS recall and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_3 Group : S_CCBS/ Objective : Set up with call information. Activate CCBS request, CCBS recall and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1		1./ 2.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+ A_access_CCBS_Activation_AB			
5		+Wait_T_WAIT	S_SETUP_dss1_comp (c_Component_CCBSCall _invoke (TCV_inv_id, TSV_CCBSREF))		2./3.
6		+ A_access_CCBS_Invocation_AB			
7		ACH! SETUP(cr_in :=TSV_CREF1)			
8		+R_DISC_etc_AC			
Detailed Comments : 1. S_SETUP contains user service information, user service information prime, access transport (e.g. called party sub-address) and/or called party number. 2. CCBS activation request. 3. CCBS activation response. 4. CCBS recall request. 5. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_4(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Set up with call information and interaction with other supplementary services. Activate CCBS request, CCBS recall and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_4 Group : S_CCBS/ Objective : Set up with call information and interaction with other supplementary services. Activate CCBS request, CCBS recall and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1_uus_comp3(cr_in,c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 1, TRUE), c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 2, TRUE), c_UUS_invokeComp_service_preferred_s(TCV_inv_id, 3, TRUE))		
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		+ A_access_CCBS_Activation_AB	S_SETUP_dss1_comp(c_Component_CCBSCall_invoke (TCV_inv_id, TSV_CCBSREF))		1./ 2.
5		+Wait_T_WAIT			2./3.
6		+ A_access_CCBS_Invocation_AB			
7		ACH! SETUP(cr_in :=TSV_CREF1)			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
8		+R_DISC_etc_AC			
Detailed Comments : 1. S_SETUP contains calling party number (if supported), access transport (e.g. calling party subaddress if supported), UUS1, 2, 3 (retained request if supported), UUS1 (information given by user in response to CCBS recall, if supported), Optional forward call indicator (with COLP request). 2. CCBS activation request. 3. CCBS activation response. 4. CCBS recall request. 5. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_5 Group : S_CCBS/ Objective : Creates the PTC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_15_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_15_5 Group : S_CCBS/ Objective : Set up a call from the SPA to SPC which encounters user at SPC busy Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_REL (S_REL.isup_pdu.Cause.length:='03'O, S_REL.isup_pdu.Cause.CauseV:=CV_17, S_REL.isup_pdu.Cause.Loc:='0000'B, S_REL.isup_pdu.Cause.Diag:=CCBSPoss)	REL_CA(cic)		1. ** [4.6] Changed BM 110899 **
4		LAC? R_RLC	RLC_AC(cic)		
Detailed Comments : 1. Send a REL with cause value #17 User busy or #34 No circuit available.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_6 Group : S_CCBS/ Objective : Set up a call from SPC to SPB which encounters user B busy Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_15_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_15_6					
Group : S_CCBS/					
Objective : Set up a CCBS call from SPC to SPB					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CCSSpar(cic)		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)			
4		+R_ACM_etc_AC			
Detailed Comments : 1. Set up a CCBS call from SPC to SPB.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_8					
Group : S_CCBS/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_8 Group : S_CCBS/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		+A_access_CCBS_ACT_INV_BA			
9		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		3.
10		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. CCBS call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_10(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request, CCBS recall and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_10 Group : S_CCBS/ Objective : Activate CCBS request, CCBS recall and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		+Wait_T_WAIT			
7		ACH? ACCESS_IND	R_FACILITY		3.
8		ACH! ACCESS_REQ	S_FACILITY		4.
9		+R_ALERT_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_11					
Group : S_CCBS/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_11 Group : S_CCBS/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		+A_access_CCBS_ACT_NOT_REL_BA			
9		ACH? DISCr	R_DISC_dss1(cr_in)		
10		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. CCBS call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_12					
Group : S_CCBS/					
Objective : Set up a call from SPA to SPB which encounters user at SPB busy, activates the CCBS call and terminates the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_15_12)			
Detailed Comments :					

Test Step Dynamic Behaviour

Test Step Name : I_15_12

Group : S_CCBS/

Objective : Set up a call from SPA to SPB which encounters user at SPB busy, activate CCBS call and terminate the call

Default : AnyOtherEventUnexpected_I_PTC

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA_CdPN(cic, TSP_Nb_A)		
4		LAC? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AC(cic)		1.
5		LAC! S_RLC	RLC_CA(cic)		
6		LAC! S_IAM (S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)	IAM_CA_CCSSpar(cic)		2.
7		+R_ACM_etc_AC			

Detailed Comments : 1. Receive REL with cause value #17 or #34.
2. Send IAM with CCSS parameter set to 'CCSS call'.

Test Step Dynamic Behaviour					
Test Step Name : SS_15_13					
Group : S_CCBS/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_13 Group : S_CCBS/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. CCBS call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_14					
Group : S_CCBS/					
Objective : To assist call setup. Answer the 1st and then the 2 nd waiting CCBS calls.					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_14)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_14 Group : S_CCBS/ Objective : To assist call setup. Answer the 1st and then the 2 nd waiting CCBS calls. Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		+ A_access_CCBS_ACT_INV_BA			
9		ACH? DISCr	R_DISC_dss1(cr_in)		
10		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		3.
11		+S_ALERT_etc_CA			
12		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		4.
13		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. 1 st CCBS call. 4. 2 nd CCBS call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_15_15					
Group : S_CCBS/					
Objective : To assist call setup. Incoming non-CCBS call with not identical service requirements accepted					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_15_15)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_15_15 Group : S_CCBS/ Objective : To assist call setup. Incoming non-CCBS call with not identical service requirements accepted Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		+ A_access_CCBS_ACT_INV_BA			
9		ACH? DISCr	R_DISC_dss1(cr_in)		
10		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		3.
11		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. 2 nd non -CCBS call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_1(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request. Successful					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_1 Group : S_CCBS/ Objective : Activate CCBS request. Successful Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		+Wait_T_WAIT			
7		ACH? ACCESS_IND	R_FACILITY		3.
8		ACH! ACCESS_REQ	S_FACILITY		4.
9		+R_ALERT_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_2(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request. Failure					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_2 Group : S_CCBS/ Objective : Activate CCBS request. Failure Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		ACH! ACCESS_REQ	S_FACILITY		1.
6		ACH? ACCESS_IND	R_FACILITY	(P)	2.
Detailed Comments : 1. Activate CCBS. 2. Failure indication: Check that CcbsRequest error (short or long term denial) is received at the access side.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_3(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate and deactivate CCBS request.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_3 Group : S_CCBS/ Objective : Activate and deactivate CCBS request. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		ACH! ACCESS_REQ	S_FACILITY		1.
6		ACH? ACCESS_IND	R_FACILITY	(P)	
7		ACH! ACCESS_REQ	S_FACILITY		2.
Detailed Comments : 1. Activate CCBS. 2. Deactivate the activated CCBS.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_4(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Request the calling user to activate CCBS request and CCBS recall					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_4 Group : S_CCBS/ Objective : Request the calling user to activate CCBS request and CCBS recall Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		
6		ACH? ACCESS_IND	R_FACILITY	(P)	2.
7		ACH! ACCESS_REQ	S_FACILITY		
8		+R_ALERT_etc_AC			
Detailed Comments : 1. Indication to initiate CCBS request. 2. Indication to initiate CCBS recall.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_5(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Calling user activate CCBS request. Busy calling user receives notification that the user at SPB is now free, send no response for that					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_5 Group : S_CCBS/ Objective : Calling user activate CCBS request. Busy calling user receives notification that the user at SPB is now free, send no response for that Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		ACH! ACCESS_REQ	S_FACILITY		1.
6		ACH? ACCESS_IND	R_FACILITY	(P)	2.
Detailed Comments : 1. activate CCBS request. 2. Indication to the calling user that the busy remote user is now free.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_6_a(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_6_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_6_a Group : S_CCBS/ Objective : Activate CCBS request. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_7(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate more than the limited number of CCBS requests which user A can activate.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_7 Group : S_CCBS/ Objective : Activate more than the limited number of CCBS requests which user A can activate. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(TCV_count0:=1)			
3		REPEAT Add_max_CCBS_request UNTIL [TCV_count0=TSP_max_CCBS_request]			
4		ACH! ACCESS_REQ	S_SETUP		
5		ACH? ACCESS_IND	R_DISC		
		Add_max_CCBS_request			
6		(TCV_count0:=TCV_count0+1)			
7		ACH! ACCESS_REQ	S_SETUP		
8		ACH? ACCESS_IND	R_DISC		
9		ACH? ACCESS_IND	R_FACILITY		1.
10		ACH! ACCESS_REQ	S_FACILITY		2.
Detailed Comments : 1. CCBS activation request. 2. CCBS activation result.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_9					
Group : S_CCBS/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_9 Group : S_CCBS/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! ACCESS_REQ	S_CONNECT		2.
6		+Check_communication_A_PTC			
7		+Wait_T_WAIT			
8		ACH? ACCESS_IND	R_SETUP		
9		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_10(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request. Activate CCBS recall.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_10 Group : S_CCBS/ Objective : Activate CCBS request. Activate CCBS recall. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		+Wait_T_WAIT			
7		ACH? ACCESS_IND	R_FACILITY		3.
8		ACH! ACCESS_REQ	S_FACILITY		4.
9		+R_ALERT_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_11(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request after CCBS-T1 runs out.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_11 Group : S_CCBS/ Objective : Activate CCBS request after CCBS-T1 runs out. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		START CCBS_T1max			
6		?TIMEOUT CCBS_T1max			
7		ACH! ACCESS_REQ	S_FACILITY		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_12(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request and receive the notification if it fails.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_12 Group : S_CCBS/ Objective : Activate CCBS request and receive the notification if it fails. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		ACH! ACCESS_REQ	S_FACILITY		
6		START CCBS_T2max			
7		?TIMEOUT CCBS_T2max			
8		ACH? ACCESS_IND	R_FACILITY	(P)	1.
Detailed Comments : 1. Notification that CCBS request failed because, e.g., signalling failures or the DLE cannot respond.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_13(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_13					
Group : S_CCBS/					
Objective : Activate CCBS request.					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		START CCBS_T3max			
7		?TIMEOUT CCBS_T3max			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_14(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request but not CCBS recall.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_14)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_14 Group : S_CCBS/ Objective : Activate CCBS request but not CCBS recall. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		
5		ACH! ACCESS_REQ	S_FACILITY		
6		+Wait_T_WAIT			
7		ACH? ACCESS_IND	R_FACILITY		1.
8		?TIMEOUT CCBS_T4max			
Detailed Comments : 1. Receive notification to invoke the CCBS recall.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_15(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Activate CCBS request, CCBS recall and terminate the call. 2nd identical call to the same destination					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_15)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_15 Group : S_CCBS/ Objective : Activate CCBS request, CCBS recall and terminate the call. 2nd identical call to the same destination Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		0.
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		+Wait_T_WAIT			
7		ACH! ACCESS_REQ	S_SETUP		3.
8		ACH? ACCESS_IND	R_DISC		
Detailed Comments : 0. First call. 1. CCBS activation request. 2. CCBS activation response. 3. Second identical call to the same destination.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_16(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Set up two identical calls which encounter user at SPB busy, activate CCBS for both					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_16)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_16 Group : S_CCBS/ Objective : Set up two identical calls which encounter user at SPB busy, activate CCBS for both Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH! ACCESS_REQ	S_SETUP		0.
3		ACH? ACCESS_IND	R_DISC		
4		ACH? ACCESS_IND	R_FACILITY		1.
5		ACH! ACCESS_REQ	S_FACILITY		2.
6		+Wait_T_WAIT			
7		ACH! ACCESS_REQ	S_SETUP		3.
8		ACH? ACCESS_IND	R_DISC		
9		ACH? ACCESS_IND	R_FACILITY		1.
10		ACH! ACCESS_REQ	S_FACILITY		2.
Detailed Comments : 0. First call. 1. CCBS activation request. 2. CCBS activation response. 3. Second identical call to the same destination.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_18					
Group : S_CCBS/					
Objective : To assist call setup, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_18)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_18 Group : S_CCBS/ Objective : To assist call setup, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACH? ACCESS_IND	R_SETUP		1.
3		ACH! ACCESS_REQ	S_ALERT		
4		+Check_ringing_tone_CA_A_PTC			
5		ACH! ACCESS_REQ	S_CONNECT		2.
6		+Check_communication_A_PTC			
7		+Wait_T_WAIT			
8		ACH? ACCESS_IND	R_SETUP		
9		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_20(Instr : PrintableString)					
Group : S_CCBS/					
Objective : Set up a call from SPC to SPB which encounters user B busy					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_TC_15_20)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_TC_15_20 Group : S_CCBS/ Objective : Set up a call from SPC to SPA which has a private network SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAC? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AC(cic)		1.
5		LAC! S_RLC	RLC_CA(cic)		
6		SCCP_C! TCAP_REQ	S_TC_BEGIN("CcbsReque st invoke")		
Detailed Comments : 1. Receive REL with cause value #17 or #34.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_15_21(Instr : PrintableString) Group : S_CCBS/ Objective : No CCBS activation Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_15_21)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_15_21					
Group : S_CCBS/					
Objective : No CCBS activation					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP R_DISC	(P)	1.
2		ACH! ACCESS_REQ			
3		ACH? ACCESS_IND			
4		+Wait_T_WAIT			
Detailed Comments : 1. No CCBS activation should be received.					

Test Step Dynamic Behaviour					
Test Step Name : Activate_CCBS_request_OLE					
Group : S_CCBS/					
Objective : To activate the CCBS request operation and wait for the result (IUT)					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		SCCP_B? TCAP_IND	R_TC_BEGIN("CcbsReque st invoke")	(P)	1.
2		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcbsR equest return result")		2.
Detailed Comments : 1. R_TC_BEGIN contains the invocation of the CcbsRequest operation. 2. S_TC_CONTINUE contains the result of the CcbsRequest operation.					

Test Step Dynamic Behaviour					
Test Step Name : Activate_CCBS_request_DLE Group : S_CCBS/ Objective : Activate the CCBS request operation and wait for the result (MTC) Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcbsRequest invoke")	(P)	1.
2		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcbsRequest return result")		2.
Detailed Comments : 1. S_TC_BEGIN contains the invocation of the CcbsRequest operation. 2. R_TC_CONTINUE contains the result of the CcbsRequest operation.					

Test Step Dynamic Behaviour					
Test Step Name : Deactivate_CCBS_request Group : S_CCBS/ Objective : To deactivate the activated CCBS request Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		SCCP_B? TCAP_IND	R_TC_END("CcbsCancel invoke")	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Destination_B_busy					
Group : S_CCBS/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_busy)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_busy Group : S_CCBS/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : G_Release_call_no_circuit_at_SPC					
Group : S_CCBS/					
Objective : Creates the PTC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:Release_call_no_circuit_at_SPC)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Release_call_no_circuit_at_SPC Group : S_CCBS/ Objective : Set up a call from the SPA to SPC which encounters user at SPC busy Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(cic)		
4		+Check_ringing_tone_CA			
5		LAC! S_ANM	ANM_CA(cic)		
6		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
7		LAC! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17, S_REL.isup_pdu.Cause.Loc:='0000'B, S_REL.isup_pdu.Cause.Diag:=CCBSPoss)	REL_CA(cic)		1.
8		LAC? R_RLC	RLC_AC(cic)		
9		LAC? R_REL (cic:=R_REL.isup_pdu.CIC)	REL_AC_anyCIC		2.
10		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Send a REL with cause value # 17 User busy or # 34 No circuit available for the 2nd call. 2. Release the 1st call.					

Test Step Dynamic Behaviour					
Test Step Name : Release_call_no_circuit Group : S_CCBS/ Objective : Set up a call from SPB to SPA which encounters user at SPA busy Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(cic:=TSP_CIC_R)			
2		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
3		LAB? R_ACM	ACM_AB(cic)		
4		+Check_ringing_tone_AB			
5		LAB? R_ANM	ANM_AB(cic)		
6		+Check_communication			
7		+Continue			
		Continue			
8		(cic := TSO_Next_CIC(cic))			
9		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
10		LAB? R_REL [((R_REL.isup_pdu.Cause.CauseV=CV_17) OR (R_REL.isup_pdu.Cause.CauseV=CV_34)) AND (R_REL.isup_pdu.Cause.Loc='0000'B) AND (R_REL.isup_pdu.Cause.Diag=CCBSPoss)]	REL_AB(cic)	(P)	1.
11		LAB! S_RLC	RLC_BA(cic)		
12		(cic:=TSP_CIC_R)			
13		LAB! S_REL	REL_BA(cic)		2.

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
14		LAB? R_RLC	RLC_AB(cic)		
Detailed Comments : 1. Receive a REL with cause value #17 or #34. 2. Release the first call					

Test Step Dynamic Behaviour					
Test Step Name : Release_call_no_circuit_at_B					
Group : S_CCBS/					
Objective : To set up a call from local exchange A to destination exchange B which encounters user at destination exchange busy					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		1.
2		LAB! S_REL (S_REL.isup_pdu.Cause.CauseV:=CV_17, S_REL.isup_pdu.Cause.Loc:='0000'B, S_REL.isup_pdu.Cause.Diag:=CCBSPoss)	REL_BA(cic)		
3		LAB? R_RLC	RLC_AB(cic)		
Detailed Comments : 1. Send a REL with cause value #17 User busy or #34 No circuit available.					

Test Step Dynamic Behaviour					
Test Step Name : RemoteUserFree_OLE Group : S_CCBS/ Objective : To inform the calling user that the remote user is free. Default : AnyOtherEventUnexpected Comments : MTC sends the RemoteUserFree parameter in TC_CONTINUE					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		SCCP_B! TCAP_REQ	S_TC_CONTINUE("RemoteUserFree")	(P)	1.
Detailed Comments : 1. S_TC_CONTINUE contains the RemoteUserFree operation.					

Test Step Dynamic Behaviour					
Test Step Name : RemoteUserFree_DLE Group : S_CCBS/ Objective : To inform the calling user that the remote user is free. Default : AnyOtherEventUnexpected Comments : MTC receives the RemoteUserFree parameter in TC_CONTINUE					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		SCCP_B? TCAP_IND	R_TC_CONTINUE("RemoteUserFree")	(P)	1.
Detailed Comments : 1. R_TC_CONTINUE contains the RemoteUserFree operation.					

Test Step Dynamic Behaviour					
Test Step Name : Tcap_OLE(Instr : PrintableString) Group : S_CCBS/ Objective : Some TCAP message flows are exchanged between OLE and DLE, e.g. start timers CCBS-T1, -T2, -T3, -T4, -T7, -T8, -T9, CCBS request, CCBS return status, CCBS recall. The objective to be met is specified in the instruction provided (Instr). Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Activate_CCBS_request_OLE			
2		+Wait_T_WAIT			
3		+RemoteUserFree_OLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Tcap_DLE(Instr : PrintableString) Group : S_CCBS/ Objective : Some TCAP message flows are exchanged between OLE and DLE, e.g. start timers CCBS-T1, -T2, -T3, -T4, -T7, -T8, -T9, CCBS request, CCBS return status, CCBS recall. The objective to be met is specified in the instruction provided (Instr). Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Activate_CCBS_request_DLE			
2		+Wait_T_WAIT			
3		+RemoteUserFree_DLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Active_call_held_AB Group : S_3PTY/ Objective : To assist a call set up to SPB and to hold it from UNI at SPA Default : AnyOtherEventUnexpected Comments : Set up a call to SPB					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
2		LAB! S_ACM	ACM_BA(cic)		
3		LAB! S_ANM	ANM_BA(cic)		
4		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(cic)	(P)	1.
Detailed Comments : 1. The call has been put on hold. 2. Trigger 2nd call set up initiation from UNI at SPA.					

Test Step Dynamic Behaviour					
Test Step Name : SS_1_16_1 Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_initiate_setup_1_16_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_1_16_1 Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		ACHx! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		1.
3		ACHx? ALERTr	R_ALERT_dss1(cr_in)		
4		ACHx? CONNr	R_CON_dss1(cr_in)		2.
5		ACHx! HOLD	S_HOLD_dss1(cr_in)		3.
6		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(cr_in)	(P)	
Detailed Comments : 1. Initiate 1st call to SPB (TSP_Nb_B). 2. The 1st call is answered. 3. Hold the 1st call, call A-B state is active-held. 4. Initiate 2nd call to SPC (TSP_Nb_C). 5. The 2nd call is answered, call A-C state is active idle. 6. Activate the 3PTY service. 7. Accept 1st call (A-B) clearing. 8 Trigger and release the 2nd call (A-C) from UNI at SPA.					

Test Step Dynamic Behaviour					
Test Step Name : A_initiate_setup_2_16_1 Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		A_CP? CM_GO_AHEAD	CM_go_ahead		
3		ACHy! SETUP(cr_in2 :=TSV_CREF2)	S_SETUP_dss1		4.
4		ACHy? ALERTr	R_ALERT_dss1(cr_in)		
5		ACHy? CONNr	R_CON_dss1(cr_in)		5.
Detailed Comments : 1. Initiate 1st call to SPB (TSP_Nb_B). 2. The 1st call is answered. 3. Hold the 1st call, call A–B state is active–held. 4. Initiate 2nd call to SPC (TSP_Nb_C). 5. The 2nd call is answered, call A–C state is active idle. 6. Activate the 3PTY service. 7. Accept 1st call (A–B) clearing. 8 Trigger and release the 2nd call (A–C) from UNI at SPA.					

Test Step Dynamic Behaviour					
Test Step Name : A_3pty_begin Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! FACdss1	S_FACILITY_dss1_comp(TSV_CREF1, c_BegPTY3inv(TCV_inv_id))	(P)	6.
Detailed Comments : 1. Initiate 1st call to SPB (TSP_Nb_B). 2. The 1st call is answered. 3. Hold the 1st call, call A-B state is active-held. 4. Initiate 2nd call to SPC (TSP_Nb_C). 5. The 2nd call is answered, call A-C state is active idle. 6. Activate the 3PTY service. 7. Accept 1st call (A-B) clearing. 8 Trigger and release the 2nd call (A-C) from UNI at SPA.					

Test Step Dynamic Behaviour					
Test Step Name : I_3pty_AC					
Group : S_3PTY/					
Objective : To setup a call from SPA to SPC					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(TCV_cic)	(P)	1.
2		+Check_conf_communication_AC(TCV_cic)			4.
Detailed Comments : 1. Receive CPG with 'conference established" in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_rel_x_3pty_with_facility Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! DISC	S_DISC_dss1_facility(TSV_CREF1,c_EndPTY3inv(TCV_inv_id))		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3pty_release_AC Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AC_GenNot(TCV_cic)	(P)	1.
Detailed Comments : 1. Receive CPG with 'conference established" in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_16_1 Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_initiate_setup_2_16_1,I_PTC:I_2_16_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_2_16_1 Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (TCV_cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAC! S_ACM	ACM_CA(TCV_cic)		
4		LAC! S_ANM	ANM_CA(TCV_cic)		
5		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(TCV_ci c)	(P)	1.
6		+Check_conf_communication_AC(cic)			
Detailed Comments : 1. Receive CPG with 'conference established" in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : SS_2_16_1_release					
Group : S_3PTY/					
Objective : To setup a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_release_2_16_1,I_PTC:I_2_16_1_release)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_release_2_16_1					
Group : S_3PTY/					
Objective : To initiate call setup					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx? DISCr	R_DISC_dss1(cr_in)		
2		+Check_circuit_idle_A_PTC			
Detailed Comments : 1. Initiate 1st call to SPB (TSP_Nb_B). 2. The 1st call is answered. 3. Hold the 1st call, call A–B state is active–held. 4. Initiate 2nd call to SPC (TSP_Nb_C). 5. The 2nd call is answered, call A–C state is active idle. 6. Activate the 3PTY service. 7. Accept 1st call (A–B) clearing. 8 Trigger and release the 2nd call (A–C) from UNI at SPA.					

Test Step Dynamic Behaviour					
Test Step Name : I_2_16_1_release Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AC_GenNot(TCV_cic)		
2		LAC? R_REL	REL_AC(TCV_cic)		
3		LAC! S_RLC	RLC_CA(TCV_cic)	(P)	
Detailed Comments : 2. Receive CPG with 'conference disconnecteded" in the CPG, because the other call has been released by the remote user.					

Test Step Dynamic Behaviour					
Test Step Name : A_release_ACHy					
Group : S_3PTY/					
Objective : To initiate call setup					
Default : AnyOtherEventUnexpected_A_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHy? DISCr	R_DISC_dss1(TSV_CREF 1)		
2		+Check_circuit_idle_A_PTC			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_release_AC Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_REL	REL_AC(TCV_cic)		
2		LAC! S_RLC	RLC_CA(TCV_cic)		
Detailed Comments : 2. Receive CPG with 'conference disconnected" in the CPG, because the other call has been released by the remote user.					

Test Step Dynamic Behaviour					
Test Step Name : A_hold_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! HOLD	S_HOLD_dss1(TSV_CREF1)		
2		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(TSV_CREF1)		
3		ACHx! RETRIVE	S_RET_dss1(TSV_CREF1)		
4		ACHx? RETRIVE_ACKr	R_RET_ACK_dss1		
5		ACHy! HOLD	S_HOLD_dss1(TSV_CREF2)		
6		ACHy? HOLD_ACKr	R_HOLD_ACK_dss1(TSV_CREF2)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_3pty_hold_AC Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AC_GenNot(TCV_ci c)		1.
2		LAB? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AB_GenNot(TCV_ci c)		5.
Detailed Comments : 1. Receive CPG with 'conference established" in the CPG.					

Test Step Dynamic Behaviour					
Test Step Name : A_16_3_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! HOLD	S_HOLD_dss1(TSV_CREF2)		
2		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(TSV_CREF2)		
3		ACHy! DISC	S_DISC_dss1(TSV_CREF2)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_release_x_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! DISC	S_DISC_dss1(TSV_CREF1)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_rel_y_3pty_with_facility Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! DISC	S_DISC_dss1_facility(TSV_CREF1,c_EndPTY3inv(TCV_inv_id))		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_release_y_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! DISC	S_DISC_dss1(TSV_CREF2)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_retrieve_x_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! RETRIVE	S_RET_dss1(TSV_CREF1)		
2		ACHx? RETRIVE_ACKr	R_RET_ACK_dss1		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_16_6_a Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_16_6_a)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_16_6_a Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		1.
4		LAC? R_ACM	ACM_AC(cic)		
5		LAC? R_ANM	ANM_AC(cic)		
6		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_CA_GenNot(cic)		
7		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_est)	CPG_CA_GenNot(cic)		2.
8		+Check_conf_communication_AC(cic)			3.
9		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=hold)	CPG_CA_GenNot(cic)		4.
10		LAC! S_CPG (S_CPG.isup_pdu.EvInf.EventI:=progress, S_CPG.isup_pdu.GenNot.NotInd:=conf_disc)	CPG_CA_GenNot(cic)		5.
11		LAC! S_REL	REL_CA(cic)		
12		LAC? R_RLC	RLC_AC(cic)		
Detailed Comments : 1. Set up a call from SPC to SPB and put it on hold. 2. Send 'conference established' indication in the CPG. 3. Check through-connection of the speech path. 4. Send 'remote hold' indication from SPC. 5. Send 'conference disconnected' indication.					

Test Step Dynamic Behaviour					
Test Step Name : SS_16_6_b					
Group : S_3PTY/					
Objective : To setup a call from SPA to SPC					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_16_6_b)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_16_6_b Group : S_3PTY/ Objective : To setup a call from SPA to SPC Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		1.
3		LAC! S_ACM	ACM_CA(cic)		
4		LAC! S_ANM	ANM_CA(cic)		
5		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(cic)		
6		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_est)]	CPG_AC_GenNot(cic)		2.
7		+Check_conf_communication_AC(cic)			3.
8		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=hold)]	CPG_AC_GenNot(cic)		4.
9		LAC? R_CPG [(R_CPG.isup_pdu.EvInf.EventI=progress) AND (R_CPG.isup_pdu.GenNot.NotInd=conf_disc)]	CPG_AC_GenNot(cic)	(P)	5.
10		LAC? R_REL	REL_AC(cic)		
11		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments : 1. Set up a call from SPB to SPC and put it on hold. 2. Check 'conference established' indication in the CPG. 3. Check through-connection of the speech path. 4. Check 'remote hold' indication at SPC. 5. Check 'conference disconnected' indication.					

Test Step Dynamic Behaviour					
Test Step Name : SS_16_7					
Group : S_3PTY/					
Objective : To assist call set up and receive notifications from 3PTY served user					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_16_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_16_7 Group : S_3PTY/ Objective : To assist call set up and receive notifications from 3PTY served user Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			1.
3		ACH? SETUP(cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		ACH! CONN	S_CON_dss1(cr_in)		2.
6		ACH? HOLDr	R_HOLD_dss1	(P)	3.
7		ACH? FACr	R_FACILITY_dss1_comp(cr_in,c_BegPTY3inv(TCV_inv_id))		4.
8		+Check_communication_A_PTC			5.
9		ACH? HOLDr	R_HOLD_dss1	(P)	6.
10		ACH? FACr	R_FACILITY_dss1_comp(cr_in,c_EndPTY3inv(TCV_inv_id))		7.
11		+R_DISC_etc_AC			8.
Detailed Comments : 1. Assist call set up to an UNI at SPA (TSP_Nb_A). 2. The call is answered. 3. Receive 'remote hold' indication. 4. Receive 'conference established' indication.					

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Detailed Comments : ... 5. Check the 3PTY communication towards the remote party. 6. Receive 'remote hold' indication, because e.g. the other party has been disconnected. 7. Receive 'conference disconnected' indication, i.e. this remote user has been retrieved. 8. Check communication and accept call clearing.					

Test Step Dynamic Behaviour					
Test Step Name : A_hold_x_3pty Group : S_3PTY/ Objective : To initiate call setup Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		ACHx! HOLD	S_HOLD_dss1(TSV_CRE F1)		
2		ACHx? HOLD_ACKr	R_HOLD_ACK_dss1(TSV _CRE F1)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_16_9					
Group : S_3PTY/					
Objective : Accept a NON-ISUP call set up with the expected parameters					
Default : AnyOtherEventUnexpected					
Comments : Dispatches the NON-ISUP stimulus which accepts an incoming speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (T_PTC:T_16_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : T_16_9					
Group : S_3PTY/					
Objective : Accept a NON-ISUP call set up with the expected parameters					
Default : AnyOtherEventUnexpected_T_PTC					
Comments : Dispatches the NON-ISUP stimulus which accepts an incoming speech call and releases the call afterwards.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		TAC? Non_ISUP_IND	R_IAI		
3		TAC! Non_ISUP_REQ	S_TUP_ACM		
4		TAC! Non_ISUP_REQ	S_ANC		
5		+Check_conf_communication_AC(cic)			
6		TAC? Non_ISUP_IND	R_CCL	P	1.
Detailed Comments : 1. Check through-connection of the speech path.					

Test Step Dynamic Behaviour					
Test Step Name : Release_call_no_answer Group : S_CCNR/ Objective : Set up a call from SPB to SPA which encounters user at SPA busy Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(cic:=TSP_CIC_R)			
2		LAB! S_IAM	IAM_BA_CdPN(cic,TSP_Nb_A)		
3		LAB? R_ACM (R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_AB(cic)	(P)	1.
4		LAB? R_REL	REL_AB(cic)		
5		LAB! S_RLC	RLC_BA(cic)		
Detailed Comments : 1. Receive a ACM with CCNR possible					

Test Step Dynamic Behaviour					
Test Step Name : Release_call_no_answer_at_B Group : S_CCNR/ Objective : To set up a call from local exchange A to destination exchange B which encounters user at destination exchange no answer Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB		
2		LAB! S_ACM (S_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:='1'B)	ACM_BA(cic)		
3		LAB! S_REL	REL_BA(cic)		
4		LAB? R_RLC	RLC_AB(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Activate_CCNR_request_OLE					
Group : S_CCNR/					
Objective : To activate the CCNR request operation and wait for the result (IUT)					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		SCCP_B? TCAP_IND	R_TC_BEGIN("CcnrRequest invoke")	(P)	1.
2		SCCP_B! TCAP_REQ	S_TC_CONTINUE("CcnrRequest return result")		2.
Detailed Comments : 1. R_TC_BEGIN contains the invocation of the CcnrRequest operation. 2. S_TC_CONTINUE contains the result of the CcnrRequest operation.					

Test Step Dynamic Behaviour					
Test Step Name : Activate_CCNR_request_DLE Group : S_CCNR/ Objective : Activate the CCNR request operation and wait for the result (MTC) Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		SCCP_B! TCAP_REQ	S_TC_BEGIN("CcnrRequest invoke")	(P)	1.
2		SCCP_B? TCAP_IND	R_TC_CONTINUE("CcnrRequest return result")		2.
Detailed Comments : 1. S_TC_BEGIN contains the invocation of the CcnrRequest operation. 2. R_TC_CONTINUE contains the result of the CcnrRequest operation.					

Test Step Dynamic Behaviour					
Test Step Name : Deactivate_CCNR_request Group : S_CCNR/ Objective : To deactivate the activated CCNR request Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		SCCP_B? TCAP_IND	R_TC_END("CcnrCancel invoke")	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : Destination_B_no_answer					
Group : S_CCNR/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_no_answer)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_no_answer Group : S_CCNR/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_1(Instr : PrintableString)					
Group : S_CCNr/ISUP/					
Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_1 Group : S_CCNR/ISUP/ Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		valid SETUP_ACK
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH? FACr	R_FACILITY_dss1		3.
10		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
11		+R_ALERT_etc_AC			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response. 3. CCNR recall request. 4. CCNR recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_2(Instr : PrintableString)					
Group : S_CCNr/ISUP/					
Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_2 Group : S_CCNR/ISUP/ Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH? FACr	R_FACILITY_dss1		3.
10		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
11		+R_ALERT_etc_AC			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response. 3. CCNR recall request. 4. CCNR recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_3(Instr : PrintableString)					
Group : S_CCNr/ISUP/					
Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_3 Group : S_CCNR/ISUP/ Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		valid SETUP_ACK
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH? FACr	R_FACILITY_dss1		3.
10		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
11		+R_ALERT_etc_AC			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response. 3. CCNR recall request. 4. CCNR recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_4(Instr : PrintableString)					
Group : S_CCNR/ISUP/					
Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_4 Group : S_CCNR/ISUP/ Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH?SETUP_ACKr	R_SETUP_ACK_dss1		valid SETUP_ACK
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH? FACr	R_FACILITY_dss1		3.
10		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
11		+R_ALERT_etc_AC			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response. 3. CCNR recall request. 4. CCNR recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_5 Group : S_CCNR/ISUP/ Objective : Creates the PTC Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_17_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_17_5 Group : S_CCNR/ISUP/ Objective : Set up a call from the SPA to SPC which encounters user at SPC no answer Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC		
3		LAB! S_ACM (S_ACM.isup_pdu.CCNRPosInd.CCNRPosInd:= '1'B)	ACM_CA(cic)		
4		LAC? R_REL	REL_AC(cic)		
5		LAC! S_RLC	RLC_CA(cic)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_6 Group : S_CCNR/ISUP/ Objective : Set up a call from SPC to SPB which encounters user B busy Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_17_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_17_6					
Group : S_CCNR/ISUP/					
Objective : Set up a CCBS call from SPC to SPB					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CCSSpar(cic)		1.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.FCI.IPI:=ISUPrequired, S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)			
4		+R_ACM_etc_AC			
Detailed Comments : 1. Set up a CCNR call from SPC to SPB.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_7					
Group : S_CCNR/ISUP/					
Objective : Activate CCNR request, CCNR recall, set ISUP Preference Indicator in the CCNR call and terminate the call.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective of activating CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_7 Group : S_CCNR/ISUP/ Objective : Setup a call with no answer Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to provide a CCSS possible indication back.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		
4		ACH! SETUP_ACK	S_SETUP_ACK_dss1(cr_in)		
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		ACH! RELdss1	S_REL_dss1(cr_in)		
7		ACH? REL_COMr	R_REL_COMP_dss1		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_8					
Group : S_CCNR/ISUP/					
Objective : Setup a call					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective of activating CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_8)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_8 Group : S_CCNR/ISUP/ Objective : Setup a call with no answer Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1	(P)	
4		ACH! SETUP_ACK	S_SETUP_ACK_dss1(cr_in)		
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		ACH! CONN	S_CON_dss1(cr_in)		
7		ACH? DISCr	R_DISC_dss1(cr_in)		
8		ACH! RELdss1	S_REL_dss1(cr_in)		
9		ACH? REL_COMr	R_REL_COMP_dss1		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_9					
Group : S_CCNR/ISUP/					
Objective : Setup a call					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective of activating CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_9 Group : S_CCNR/ISUP/ Objective : Setup a call with no answer with no CCNR possible Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services and does not handle CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1	(P)	
4		ACH! SETUP_ACK	S_SETUP_ACK_dss1(cr_in)		
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		ACH? DISCr	R_DISC_dss1(cr_in)		
7		ACH! RELdss1	S_REL_dss1(cr_in)		
8		ACH? REL_COMr	R_REL_COMP_dss1		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_10(Instr : PrintableString) Group : S_CCNr/ISUP/ Objective : Set up a call from SPA to SPB which encounters user at SPB busy, activates the CCBS call and terminates the call Default : AnyOtherEventUnexpected Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_17_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_17_10					
Group : S_CCNr/ISUP/					
Objective : Set up a call from SPA to SPB which encounters user at SPB busy, activate CCBS call and terminate the call					
Default : AnyOtherEventUnexpected_I_PTC					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	IAM_CA_CCSSpar(cic)		2.
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM (S_IAM.isup_pdu.CCSS.CCSSCI:='1'B)			
4		+R_ACM_etc_AC			
Detailed Comments : 2. Send IAM with CCSS parameter set to 'CCSS call'.					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_12					
Group : S_CCNR/ISUP/					
Objective : Setup a call					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective of activating CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_12 Group : S_CCNR/ISUP/ Objective : Setup a call with no answer with no CCNR possible Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services and does not handle CCNR					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1	(P)	
4		ACH! SETUP_ACK	S_SETUP_ACK_dss1(cr_in)		
5		ACH! ALERT	S_ALERT_dss1(cr_in)		
6		ACH? DISCr	R_DISC_dss1(cr_in)		
7		ACH! RELdss1	S_REL_dss1(cr_in)		
8		ACH? REL_COMr	R_REL_COMP_dss1		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_17_13					
Group : S_CCNR/ISUP/					
Objective : To assist call setup. Incoming non-CCNR call with not identical service requirements accepted					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_17_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_17_13 Group : S_CCNR/ISUP/ Objective : To assist call setup. Incoming non-CCNR call with not identical service requirements accepted Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		ACH? DISCr	R_DISC_dss1(cr_in)		
9		ACH? SETUPr	R_SETUP_dss1		3.
10		ACH! ALERT	S_ALERT_dss1(cr_in)		
11		+Check_ringing_tone_CA_A_PTC			
12		ACH! CONN	S_CON_dss1(cr_in)		
13		+Check_communication_A_PTC			
14		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call. 3. 2 nd non -CCNR call.					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_1 Group : S_CCNR/ASE/ Objective : Activate CCNR request. Successful Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? FACr	R_FACILITY_dss1		1.
6		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
7		+Wait_T_WAIT			
8		ACH? FACr	R_FACILITY_dss1		3.
9		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
10		+R_ALERT_etc_AC			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response. 3. CCNR recall request. 4. CCNR recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_1(Instr : PrintableString) Group : S_CCNR/ASE/ Objective : Activate CCBS request. Successful Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_1)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_2(Instr : PrintableString) Group : S_CCNR/ASE/ Objective : Activate CCBS request. Failure Default : AnyOtherEventUnexpected Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_2)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_2 Group : S_CCNR/ASE/ Objective : Activate CCNR request. Failure Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		ACH? FACr	R_FACILITY_dss1		
6		ACH! FACdss1	S_FACILITY_dss1(cr_in)		1.
7		ACH? FACr	R_FACILITY_dss1		2.
8		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. Activate CCNR 2. Failure indication: Check that CcnrRequest error (short or long term denial) is received at the access side.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_3(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate and deactivate CCBS request.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_3)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_3 Group : S_CCNR/ASE/ Objective : Activate and deactivate CCNR request. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH! FACdss1	S_FACILITY_dss1(cr_in)		1.
6		ACH? FACr	R_FACILITY_dss1		
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. Activate CCBS. 2. Deactivate the activated CCBS.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_4(Instr : PrintableString)					
Group : S_CCNr/ASE/					
Objective : Request the calling user to activate CCNR request and CCNR recall					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_4)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_4 Group : S_CCNR/ASE/ Objective : Request the calling user to activate CCNR request and CCNR recall Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? FACr	R_FACILITY_dss1		1.
6		ACH! FACdss1	S_FACILITY_dss1(cr_in)		
7		ACH? FACr	R_FACILITY_dss1	(P)	2.
8		ACH! FACdss1	S_FACILITY_dss1(cr_in)		
9		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. Indication to initiate CCNR request. 2. Indication to initiate CCNR recall.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_5(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Calling user activate CCNR request. Busy calling user receives notification that the user at SPB is now free, send no response for that					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_5)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_5 Group : S_CCNR/ASE/ Objective : Calling user activate CCNR request. Busy calling user receives notification that the user at SPB is now free, send no response for that Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? FACr	R_FACILITY_dss1		
6		ACH! FACdss1	S_FACILITY_dss1(cr_in)		1.
7		ACH? FACr	R_FACILITY_dss1	(P)	2.
8		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. activate CCNR request. 2. Indication to the calling user that the busy remote user is now free.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_6(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate CCNR request.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_6)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_6 Group : S_CCNR/ASE/ Objective : Activate CCNR request. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? FACr	R_FACILITY_dss1		1.
6		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
7		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_7(Instr : PrintableString)					
Group : S_CCNr/ASE/					
Objective : Activate more than the limited number of CCNR requests which user A can activate.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_7)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_7 Group : S_CCNR/ASE/ Objective : Activate more than the limited number of CCNR requests which user A can activate. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(TCV_count0:=1)			
3		REPEAT Add_max_CCNR_request UNTIL [TCV_count0=TSP_max_CCBS_request]			
4		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
5		ACH? ALERTr	R_ALERT_dss1(cr_in)		
6		ACH! DISC	S_DISC_dss1(cr_in)		
		Add_max_CCNR_request			
7		(TCV_count0:=TCV_count0+1)			
8		ACH! SETUP(cr_in :=TSV_CREF2)	S_SETUP_dss1		
9		ACH? ALERTr	R_ALERT_dss1(cr_in)		
10		ACH? FACr	R_FACILITY_dss1		1.
11		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
12		ACH! DISC	S_DISC_dss1(cr_in)		
Detailed Comments : 1. CCNR activation request. 2. CCNR activation result.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_9					
Group : S_CCNR/ASE/					
Objective : Assist call set up, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_9)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_9 Group : S_CCNR/ASE/ Objective : Assist call set up, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		+Wait_T_WAIT			
7		ACH! DISC	S_DISC_dss1(cr_in)		2.
8		ACH? SETUPr	R_SETUP_dss1		
9		ACH! ALERT	S_ALERT_dss1(cr_in)		
10		ACH! CONN	S_CON_dss1(cr_in)		
11		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_10(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate CCNR request. Activate CCNR recall.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_10)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_10 Group : S_CCNR/ASE/ Objective : Activate CCBS request. Activate CCBS recall. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		1.
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH? DISCr	R_DISC_dss1(cr_in)		2.
7		ACH? FACr	R_FACILITY_dss1		1.
8		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
9		+Wait_T_WAIT			
10		ACH? FACr	R_FACILITY_dss1		3.
11		ACH! FACdss1	S_FACILITY_dss1(cr_in)		4.
12		+R_ALERT_etc_AC			
Detailed Comments : 1. CCBS activation request. 2. CCBS activation response. 3. CCBS recall request. 4. CCBS recall response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_11(Instr : PrintableString)					
Group : S_CCNr/ASE/					
Objective : Activate CCNR request after CCBS-T1 runs out.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_11)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_11 Group : S_CCNR/ASE/ Objective : Activate CCNR request after CCBS-T1 runs out. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		
7		START CCBS_T1max			
8		?TIMEOUT CCBS_T1max			
9		ACH! FACdss1	S_FACILITY_dss1(cr_in)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_12(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate CCNR request and receive the notification if it fails.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_12)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_12 Group : S_CCNR/ASE/ Objective : Activate CCBS request and receive the notification if it fails. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		
8		START CCBS_T2max			
9		?TIMEOUT CCBS_T2max			
10		ACH? FACr	R_FACILITY_dss1	(P)	1.
Detailed Comments : 1. Notification that CCNR request failed because, e.g., signalling failures or the DLE cannot respond.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_13(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate CCNR request					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_13)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_13 Group : S_CCNR/ASE/ Objective : Activate CCNR request Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		START CCBS_T3max			
9		?TIMEOUT CCBS_T3max			
Detailed Comments : 1. CCNR activation request. 2. CCNR activation response.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_14(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Activate CCNR request but not CCNR recall.					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_14)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_14 Group : S_CCNR/ASE/ Objective : Activate CCNR request but not CCNR recall. Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		
8		+Wait_T_WAIT			
9		ACH? FACr	R_FACILITY_dss1		1.
10		?TIMEOUT CCBS_T4max			
Detailed Comments : 1. Receive notification to invoke the CCBS recall.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_15(Instr : PrintableString)					
Group : S_CCNr/ASE/					
Objective : Activate CCNR request, CCNR recall and terminate the call. 2nd identical call to the same destination					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_15)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_15 Group : S_CCNR/ASE/ Objective : Activate CCNR request, CCNR recall and terminate the call. 2nd identical call to the same destination Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		0.
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		3.
10		ACH? ALERTr	R_ALERT_dss1(cr_in)		
11		ACH? DISCr	R_DISC_dss1(cr_in)		
Detailed Comments : 0. First call. 1. CCNR activation request. 2. CCNR activation response. 3. Second identical call to the same destination.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_16(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Set up two identical calls which encounter user at SPB no answer, activate CCNR for both					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_16)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_16 Group : S_CCNR/ASE/ Objective : Set up two identical calls which encounter user at SPB busy, activate CCBS for both Default : AnyOtherEventUnexpected_A_PTC Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		0.
4		ACH? ALERTr	R_ALERT_dss1(cr_in)		
5		ACH? DISCr	R_DISC_dss1(cr_in)		
6		ACH? FACr	R_FACILITY_dss1		1.
7		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
8		+Wait_T_WAIT			
9		ACH! SETUP(cr_in :=TSV_CREF1)	S_SETUP_dss1		3.
10		ACH? ALERTr	R_ALERT_dss1(cr_in)		
11		ACH? DISCr	R_DISC_dss1(cr_in)		
12		ACH? FACr	R_FACILITY_dss1		1.
13		ACH! FACdss1	S_FACILITY_dss1(cr_in)		2.
Detailed Comments : 0. First call. 1. CCNR activation request. 2. CCNR activation response. 3. Second identical call to the same destination.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_18					
Group : S_CCNR/ASE/					
Objective : To assist call setup, answer the call and then release the call					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_18)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_18 Group : S_CCNR/ASE/ Objective : To assist call setup, answer the call and then release the call Default : AnyOtherEventUnexpected_A_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		+DSS1_Preamble			
3		ACH? SETUPr (cr_in := SETUP_PDU.cr.cr_r, bch_num1 := SETUP_PDU.chi.chi_e5_ch2)	R_SETUP_dss1		1.
4		ACH! ALERT	S_ALERT_dss1(cr_in)		
5		+Check_ringing_tone_CA_A_PTC			
6		ACH! CONN	S_CON_dss1(cr_in)		2.
7		+Check_communication_A_PTC			
8		+Wait_T_WAIT			
9		ACH? SETUPr	R_SETUP_dss1		
10		+S_ALERT_etc_CA			
Detailed Comments : 1. Assist the call set up from SPC. 2. Answer the call.					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_20(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : Set up a call from SPC to SPB which encounters user B busy					
Default : AnyOtherEventUnexpected					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (I_PTC:I_TC_17_2_20)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : I_TC_17_2_20 Group : S_CCNR/ASE/ Objective : Set up a call from SPC to SPA which has a private network SPB Default : AnyOtherEventUnexpected_I_PTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble			
2		(cic := TSP_CIC_L)			
3		LAC! S_IAM	IAM_CA(cic)		
4		LAB? R_ACM [(R_ACM.isup_pdu.CCNRPosInd.CCNRPosInd='1'B)]	ACM_AC(cic)	(P)	
5		LAC? R_REL	REL_AC(cic)		
6		LAC! S_RLC	RLC_CA(cic)		
7		SCCP_C! TCAP_REQ	S_TC_BEGIN("CcnrReque st invoke")		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SS_TC_17_2_21(Instr : PrintableString)					
Group : S_CCNR/ASE/					
Objective : No CCBS activation					
Default : AnyOtherEventUnexpected					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE (A_PTC:A_TC_17_2_21)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TC_17_2_21					
Group : S_CCNR/ASE/					
Objective : No CCNR activation					
Default : AnyOtherEventUnexpected_A_PTC					
Comments : Served user at local exchange that handles access signalling for supplementary services in order to meet objective specified in the instruction (Instr) provided in the parameter.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+Preamble	S_SETUP_dss1 R_ALERT_dss1(cr_in) R_DISC_dss1(cr_in)	(P)	1.
2		+DSS1_Preamble			
3		ACH! SETUP(cr_in :=TSV_CREF1)			
4		ACH? ALERTr			
5		ACH? DISCr			
6		+Wait_T_WAIT			
Detailed Comments : 1. No CCNR activation should be received.					

Default Dynamic Behaviour					
Default Name : AnyOtherEventUnexpected Group : Objective : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAB? R_REL	REL_AB(cic)	(F)	
2		LAB! S_RLC	RLC_BA(cic)	F	
3		LAB? R_RSC	RSC_AB(cic)	(F)	
4		LAB! S_RLC	RLC_BA(cic)	F	
5		?TIMEOUT T_GUARD		(F)	
6		LAB! S_RSC	RSC_BA(cic)		
7		START T_WAIT			1.
8		+RLC_or_BLO			
9		LAB? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AB_any		
10		LAB! S_RSC	RSC_BA(cic)		
11		START T_WAIT			1.
12		+RLC_or_BLO			
13		LAB?OTHERWISE		(F)	
14		LAB! S_RSC	RSC_BA(cic)		
15		START T_WAIT			1.
16		+RLC_or_BLO			
17		SCCP_B?OTHERWISE		(F)	
18		SCCP_B! TCAP_REQ	S_TC_END("")		3.
		RLC_or_BLO			

Continued on next page

Continued from previous page

Default Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
19		LAB? R_RLC CANCEL T_WAIT, START T_WAIT	RLC_AB(cic)		
20		LAB? R_BLO	BLO_AB(cic)		
21		LAB! S_BLA	BLA_BA(cic)	F	
22		LAB?OTHERWISE		F	
23		?TIMEOUT T_WAIT		F	
24		LAB? R_BLO CANCEL T_WAIT	BLO_AB(cic)		2.
25		LAB! S_BLA	BLA_BA(cic)		
26		START T_WAIT			1
27		LAB? R_RLC	RLC_AB(cic)	F	
28		LAB?OTHERWISE		F	
29		?TIMEOUT T_WAIT		F	
30		LAB?OTHERWISE		F	
31		?TIMEOUT T_WAIT		F	
Detailed Comments : 1. Timer T_WAIT is used to prevent an infinite loop if the RLC is not received. 2. See 2.9.3.1 c) / Q.764 3. End the TCAP dialogue.					

Default Dynamic Behaviour					
Default Name : AnyOtherEventUnexpected_I_PTC Group : Objective : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LAC? R_REL	REL_AC(cic)	(F)	1.
2		LAC! S_RLC	RLC_CA(cic)	F	
3		LAC? R_RSC	RSC_AC(cic)	(F)	
4		LAC! S_RLC	RLC_CA(cic)	F	
5		?TIMEOUT T_GUARD		(F)	
6		LAC! S_RSC START T_WAIT	RSC_CA(cic)		
7		+RLC_or_BLO			
8		LAC? R_IAM (cic:=R_IAM.isup_pdu.CIC)	IAM_AC_any		
9		LAC! S_RSC	RSC_CA(cic)		
10		START T_WAIT			
11		+RLC_or_BLO			
12		LAC?OTHERWISE		(F)	
13		LAC! S_RSC START T_WAIT	RSC_CA(cic)		
14		+RLC_or_BLO			
		RLC_or_BLO			
15		LAC? R_RLC CANCEL T_WAIT, START T_WAIT	RLC_AC(cic)		
16		LAC? R_BLO	BLO_AC(cic)		
17		LAC! S_BLA	BLA_CA(cic)	F	
18		LAC?OTHERWISE		F	

Continued on next page

Continued from previous page

Default Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
19		?TIMEOUT T_WAIT		F	2. 1
20		LAC? R_BLO CANCEL T_WAIT	BLO_AC(cic)		
21		LAC! S_BLA	BLA_CA(cic)		
22		START T_WAIT			
23		LAC? R_RLC	RLC_AC(cic)	F	
24		LAC?OTHERWISE		F	
25		?TIMEOUT T_WAIT		F	
26		LAC?OTHERWISE		F	
27		?TIMEOUT T_WAIT		F	
Detailed Comments : 1. Timer T_WAIT is used to prevent an infinite loop if the RLC is not received. 2. See 2.9.3.1 c) / Q.764					

Default Dynamic Behaviour					
Default Name : AnyOtherEventUnexpected_A_PTC Group : Objective : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	ACH? DISCr	R_DISC_dss1(cr_in)	(F)	DL failure DL reset (2) no response inv. event return to test case valid RELEASE valid REL_COM no response
2		ACH?OTHERWISE		(F)	
3		ACH! DISC	S_DISC_dss1(cr_in)	F	
4		?TIMEOUT T_GUARD		(F)	
5		ACH! DISC	S_DISC_dss1(cr_in)	(F)	
6		ACH?DL_REL_IN			
7		ACH?DL_EST_IN			
8		ACH!RELdss1 START T_AC	S_REL_dss1(cr_in)		
9		ACH?REL_COM CANCEL T_AC	S_REL_COMP_dss1(cr_in)		
10		?TIMEOUT T_AC			
11		GOTO L1			
12		ACH?OTHERWISE			
13		RETURN			
14		ACH?OTHERWISE			
15		ACH!RELdss1 START T_AC	S_REL_dss1(cr_in)		
16		ACH?REL_COM CANCEL T_AC	S_REL_COMP_dss1(cr_in)		
17		?TIMEOUT T_AC			
18		GOTO L2			

Continued on next page

Continued from previous page

Default Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
19		ACH?OTHERWISE			inv. event
Detailed Comments :					

Default Dynamic Behaviour					
Default Name : AnyOtherEventUnexpected_T_PTC Group : Objective : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		TAC? Non_ISUP_IND	R_CCL	(F)	
2		TAC?OTHERWISE		(F)	
3		TAC! Non_ISUP_REQ	S_CCL	F	
4		?TIMEOUT T_GUARD		(F)	
5		TAC! Non_ISUP_REQ	S_CCL	F	
Detailed Comments :					

Default Dynamic Behaviour					
Default Name : ACCESS_DEF					
Group :					
Objective : Default subtree for DSS1.					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	ACH?DL_REL_IN	S_REL_dss1(cr_in) S_REL_COMP_dss1(cr_in))		DL failure
2		ACH?DL_EST_IN			DL reset
3		ACH!RELdss1 START T_AC			(2)
4		ACH?REL_COM CANCEL T_AC			
5		?TIMEOUT T_AC			no response
6		GOTO L1			
7		ACH?OTHERWISE			inv. event
8		RETURN			return to test case
9	L2	ACH?OTHERWISE	S_REL_dss1(cr_in) S_REL_COMP_dss1(cr_in))		
10		ACH!RELdss1 START T_AC			valid RELEASE
11		ACH?REL_COM CANCEL T_AC			valid REL_COM
12		?TIMEOUT T_AC			no response
13		GOTO L2			
14		ACH?OTHERWISE			inv. event
Detailed Comments : &COMMON_N10 (1) (FL+1) MOD 2 is ususally used to store the inverted flag. This behaviour line is inserted to allow the assignment of a final verdict R. It is mandatory to assign a final verdict to each leaf of a default behaviour tree. (2) A valid RELEASE message with cause #16 is sent.					

Continued on next page

*Continued from previous page***Default Dynamic Behaviour****Detailed Comments : ...**