

Q.933 bis – Section II

Q.933 Annex A – Abstract Test Suite

I

Test Suite Overview

Test Suite Structure			
Suite Name : Q933_Annex_A			
Standards Ref : Q.933 Annex A			
PICS Ref : Q.933 Annex D "PICS Proforma for Annex A" 1995			
PIXIT Ref : Q.933 Annex A PIXIT Proforma			
Test Method(s) : Remote Single Layer, Distributed Single Layer			
Comments : Version 1.5: September 27, 1994			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
Periodic_Polling/	Periodic_Polling	Verify implementation of Q.933 Annex A periodic polling procedures (user sidesending STATUS ENQUIRY).	76
Periodic_Polling/General/		Verify that IUT properly responds to valid behavior.	76
Periodic_Polling/Error/	Error_Conditions	Verify that IUT properly respond to invalid behavior.	90
Periodic_Polling/System/		Verify that IUT properly implements the system parameters.	110
Bidirectional/	Bidir	Verify implementation of Q.933 Annex A bidirectional network procedures (network side sending STATUS).	112
Bidirectional/General/		Verify that IUT properly responds to valid behavior.	112
Bidirectional/Error/	Error_Conditions	Verify that IUT properly responds to invalid behavior.	121
Bidirectional/System/		Verify that IUT properly implements system parameters.	130
Detailed Comments :			

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Periodic_Polling/General/	PS0_01V		Verify that the IUT initiates periodic polling by sending STATUS ENQUIRY after IUT initialization. Standard Ref.: A.4.1	76
Periodic_Polling/General/	PS1_02V		Verify that the IUT accepts a STATUS w/ full status report type when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.1	77
Periodic_Polling/General/	PS1_03V	Report_New_PVC	Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 1 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.3	77
Periodic_Polling/General/	PS1_04V		Verify that the IUT accepts a STATUS w/ full status report type, omitting the PVC status IE of a previously reported PVC, when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.1.5	78
Periodic_Polling/General/	PS1_05V	Report_Available_PVC	Verify that the IUT accepts a STATUS w/ full status report type reporting the availability of a PVC (active bit set to 1) for a previously inactive PVC when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.:A.4.4	78
Periodic_Polling/General/	PS1_06V	Report_Available_PVC	Verify that the IUT accepts a STATUS w/ full status report type reporting the unavailability of a PVC (active bit set to 0) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.4	79

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Periodic_Polling/General/	PS1_07I	Error_Conditions	Verify that the IUT ignores a STATUS w/ link integrity verification report type when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5.2	79
Periodic_Polling/General/	PS1_08V	N391_Eq_1	Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after after a unanswered N391 th polling cycle when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.4.1	80
Periodic_Polling/General/	PS1_09V	N391_Not_1	Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after a unanswered polling cycle prior to the N391 st polling cycle when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.4.1	81
Periodic_Polling/General/	PS1_11V	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.1.1, A.4.1	81
Periodic_Polling/General/	PS2_02I	Error_Conditions	Verify that the IUT ignores an unsolicited STATUS w/ full status report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5.2	82
Periodic_Polling/General/	PS2_07I	Error_Conditions	Verify that the IUT ignores an unsolicited STATUS w/ link integrity verificationonly report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5.2	82

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Periodic_Polling/General/	PS2_08V		Verify that the IUT sends a STATUS ENQUIRY w/ full status report type on the N391 th polling cycle when the IUT is in state S2. The final IUT state is expected to be S1. Standard Ref.: A.4.1	83
Periodic_Polling/General/	PS2_09V		Verify that the IUT sends a STATUS ENQUIRY w/ link integrity verification only report type after T391 expiration on a polling cycle prior to the N391 th polling cycle when the IUT is in state S2. The final IUT state is expected to be S3. Standard Ref.: A.4.1	84
Periodic_Polling/General/	PS2_11V	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.1.1, A.4.1	84
Periodic_Polling/General/	PS3_02V	N391_Not_1	Verify that the IUT accepts a STATUS w/ full status report type when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1.4	85
Periodic_Polling/General/	PS3_03V	New_PVC_N391_Not_1	Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 1 when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.3	85
Periodic_Polling/General/	PS3_04V	N391_Not_1	Verify that the IUT accepts a STATUS w/ full status report, omitting the PVC status IE of a previously reported PVC, when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1.5	86

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Periodic_Polling/General/	PS3_05V	Avail_PVC_N391_Not_1	Verify that the IUT accepts a STATUS w/ full status report type reporting the availability of a PVC (active bit set to 1) for a previously inactive PVC when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.:A.4.4	86
Periodic_Polling/General/	PS3_06V	Avail_PVC_N391_Not_1	Verify that the IUT accepts a STATUS w/ full status report type reporting the unavailability of a PVC (active bit set to 0) when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.4	87
Periodic_Polling/General/	PS3_07V	N391_Not_1	Verify that the IUT accepts a STATUS w/ link integrity verification report type when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1	87
Periodic_Polling/General/	PS3_08V	N391_Not_1	Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after a unanswered N391 th polling cycle when the IUT is in state S3. The final IUT state is expected to be S1. Standard Ref.: A.4.1	88
Periodic_Polling/General/	PS3_09V	N391_Not_1	Verify that the IUT sends a STATUS ENQUIRY w/ link integrity verification only report type after an unanswered polling cycle prior to the N391 st polling cyclewhen the IUT is in state S3. The final IUT state is expected to be S3. StandardRef.: A.4.1	89
Periodic_Polling/General/	PS3_11V	Asynch_Status_N391_Not_1	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.1.1, A.4.1	89

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Periodic_Polling/Error/	PS1_10N		Verify that the IUT ignores a STATUS w/ full status type of report containing an invalid receive sequence number when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5.2	90
Periodic_Polling/Error/	PS1_12N		Verify that the IUT ignores a STATUS message w/ a protocol discrimination error when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5, A.2.1	90
Periodic_Polling/Error/	PS1_13N		Verify that the IUT ignores a STATUS message w/ a message too short (protocol discriminator and call reference only) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	91
Periodic_Polling/Error/	PS1_14N		Verify that the IUT ignores a STATUS message w/ a call reference other than the dummy call reference when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5, A.2.2	91
Periodic_Polling/Error/	PS1_15N		Verify that the IUT ignores an undefined message when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	92
Periodic_Polling/Error/	PS1_16N		Verify that the IUT ignores a STATUS message with an invalid type of report when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	92
Periodic_Polling/Error/	PS1_17N		Verify that the IUT ignores a STATUS message with a report type IE with an invalid content (length = 0) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	93

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Periodic_Polling/Error/	PS1_18N		Verify that the IUT ignores a STATUS message with a full status report type and containing a mandatory IE content error (LIV IE length = 1 and missing its receive sequence number) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	93
Periodic_Polling/Error/	PS1_19N		Verify that the IUT ignores a STATUS message with a full status report type and with a LIV IE with an invalid content (length error) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	94
Periodic_Polling/Error/	PS1_20N		Verify that the IUT ignores a STATUS message with a mandatory IE missing (reporttype IE) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	94
Periodic_Polling/Error/	PS1_21N		Verify that the IUT ignores a STATUS message with a mandatory IE missing (LIV IE) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	95
Periodic_Polling/Error/	PS1_22N		Verify that the IUT ignores or accepts a STATUS w/ full status report type and report type IE out of sequence when the IUT is in state S1. The final IUT state is expected to be S1 or S2 respectively. Standard Ref.: A.5	95
Periodic_Polling/Error/	PS1_23N		Verify that the IUT ignores a STATUS w/ full status report and PVC status IE out of sequence when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	96

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Periodic_Polling/Error/	PS1_24N		Verify that the IUT accepts a STATUS w/ full status report and an unrecognized IE when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	96
Periodic_Polling/Error/	PS1_25N		Verify that the IUT accepts a STATUS w/ full status report with a duplicated report type IE (the second report type is invalid) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	97
Periodic_Polling/Error/	PS1_26N		Verify that the IUT accepts a STATUS w/ full status report type with a duplicated LIV IE (the second LIV IE contains an invalid receive sequence number) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	97
Periodic_Polling/Error/	PS1_27N	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type containing two PVC status IE when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	98
Periodic_Polling/Error/	PS1_28N		Verify that the IUT accepts a STATUS w/ full status report type containing conflicting information in duplicated DLCI when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	98
Periodic_Polling/Error/	PS1_29N	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	99

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Periodic_Polling/Error/	PS1_30N		Verify that the IUT ignores a STATUS message with full status report type and also a PVC status IE with an invalid content (reserved DLCI) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	99
Periodic_Polling/Error/	PS1_31N		Verify that the IUT accepts a STATUS message with a full status report type and also a PVC status IE with an invalid content (spare bits of octet 4 set to 1) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	100
Periodic_Polling/Error/	PS1_32N		Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	100
Periodic_Polling/Error/	PS1_33N		Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying a DLCI in use and the new bit set to 1 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	101
Periodic_Polling/Error/	PS1_34N	Asynch_Status	Verify that the IUT ignores a STATUS w/ single PVC asynchronous type of report containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5	101

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Periodic_Polling/Error/	PS1_38N		Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE with first extension bit set to 1 (last octet) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	102
Periodic_Polling/Error/	PS1_39N		Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE with third extension bit set to 0 (octet continues) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5	102
Periodic_Polling/Error/	PS2_12N		Verify that the IUT ignores an unsolicited STATUS message w/ a protocol discrimination error when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	103
Periodic_Polling/Error/	PS2_15N		Verify that the IUT ignores an unrecognized message when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	103
Periodic_Polling/Error/	PS2_18N		Verify that the IUT ignores an unsolicited STATUS message w/ a mandatory IE content error (LIV IE length = 1 and missing its receive sequence number) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	104
Periodic_Polling/Error/	PS2_20N		Verify that the IUT ignores an unsolicited STATUS message w/ a missing mandatory IE (report type) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	104

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Periodic_Polling/Error/	PS2_24N		Verify that the IUT ignores an unsolicited STATUS message w/ link integrity verification only report type and an unrecognized IE when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	105
Periodic_Polling/Error/	PS2_27N	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type containing two PVC status IE when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	105
Periodic_Polling/Error/	PS2_29N	Asynch_Status	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	106
Periodic_Polling/Error/	PS2_34N	Asynch_Status	Verify that the IUT ignores a STATUS w/ single PVC asynchronous type of report containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5	106
Periodic_Polling/Error/	PS3_10N	N391_Not_1	Verify that the IUT ignores a STATUS w/ link integrity verification type of report and an invalid receive sequence number when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5.2	107
Periodic_Polling/Error/	PS3_14N	N391_Not_1	Verify that the IUT ignores a STATUS message w/ a call reference other than the dummy call reference when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5, A.5.2	107

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Periodic_Polling/Error/	PS3_18N	N391_Not_1	Verify that the IUT ignores a STATUS message with a link integrity verification report type and containing a mandatory IE content error (LIV IE length = 1 and no receive sequence number) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5	108
Periodic_Polling/Error/	PS3_21N	N391_Not_1	Verify that the IUT ignores a STATUS message with a mandatory IE missing (LIV IE) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5	108
Periodic_Polling/Error/	PS3_29N	Asynch_Status_N391_Not_1	Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5	109
Periodic_Polling/System/	P_35V		Verify that the IUT's T391 between successive link integrity verifications is within its tolerance value. Standard Ref.: A.4.1	110
Periodic_Polling/System/	P_36V		Verify that the IUT increments the send sequence counter in the user-to-network direction modulo 256 but skips 0. Standard Ref.: A.4.2	111
Periodic_Polling/System/	P_37V	SAC	Verify that the IUT continues link verification procedures to detect service restoration following the detection of a service affecting condition at the user-network interface. Standard Ref.: A.5.2	111
Bidirectional/General/	B_01V		Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type with a STATUS message. Standard Ref.: A.6	112

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Bidirectional/General/	B_02V		Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type with a STATUS message w/ full status report. Standard Ref.: A.6	113
Bidirectional/General/	B_03V		Verify that the IUT does not send an unsolicited STATUS message. Standard Ref.: A.6	113
Bidirectional/General/	B_17V		Verify that the IUT does not clear the new bit in the PVC status IE until it receives a STATUS ENQUIRY message containing a receive sequence number equal to the send sequence counter (i.e. the send sequence number transmitted in the last STATUS message). Standard Ref.: A.4.3.2	114
Bidirectional/General/	B_18V		Verify that, after a PVC is deleted from the IUT, the STATUS message sent by the IUT no longer contains the PVC status IE for that PVC. Standard Ref.: A.4.1.5	115
Bidirectional/General/	B_20V		Verify that when a new PVC is configured, the IUT sets the new bit to 1 in the PVC status IE for that PVC in a full status STATUS message. Standard Ref.: A.4.3.1	116
Bidirectional/General/	B_21V	Remote	Verify that the IUT detects the non-receipt of the last N392 STATUS ENQUIRY messages and sets the active bit to 0 for the affected PVC's. Standard Ref.: A.4.4, A.5.1	117
Bidirectional/General/	B_22V	Remote	Verify that the IUT detects the receipt of the last N392 STATUS ENQUIRY messages with invalid receive sequence number and sets the active bit to 0 for the affected PVC's. Standard Ref.: A.4.4, A.5.1	118

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Bidirectional/General/	B_23V		Verify that the PVC status IE in the STATUS message sent by the IUT are in ascending order. Standard Ref.: A.1.1 Note 3	120
Bidirectional/Error/	B_04N		Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type (LIV IE contains an invalid receive sequence number) with a STATUS message. Standard Ref.: A.6, A.5.1	121
Bidirectional/Error/	B_05N		Verify that the IUT ignores a STATUS ENQUIRY w/ link integrity verification onlyreport type containing a protocol discrimination error. Standard Ref.: A.6	122
Bidirectional/Error/	B_06N		Verify that the IUT ignores a STATUS ENQUIRY w/ link integrity verification onlyreport containing a call reference other than the dummy call reference. Standard Ref.: A.6, A.5	122
Bidirectional/Error/	B_07N		Verify that the IUT ignores a message too short. Standard Ref.: A.6	123
Bidirectional/Error/	B_08N		Verify that the IUT ignores an unrecognized message (invalid message type). The remainder of the message appears as valid STATUS ENQUIRY w/ link integrity verification only report type. Standard Ref.: A.6, A.5	123
Bidirectional/Error/	B_09N		Verify that the IUT ignores a STATUS ENQUIRY message w/ full status report type containing an out of sequence IE (report type) or responds with a full STATUS message. Standard Ref.: A.6, A.5	124

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Bidirectional/Error/	B_10N		Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type containing a duplicate IE (LIV). The proper IUT response is a STATUS message. Standard Ref.: A.6, A.5	125
Bidirectional/Error/	B_11N		Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type containing a duplicate IE (report type). The proper IUT response is a STATUS message w/ full status report type. Standard Ref.: A.6, A.5	126
Bidirectional/Error/	B_12N		Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type containing an unrecognized IE. The proper IUT response is a STATUS message w/ full status report type. Standard Ref.: A.6, A.5	127
Bidirectional/Error/	B_13N		Verify that the IUT ignores STATUS ENQUIRY containing a mandatory IE missing (report type). The remainder of the message appears as a link integrity verification only report type. Standard Ref.: A.6, A.5	128
Bidirectional/Error/	B_14N		Verify that the IUT ignores STATUS ENQUIRY w/ full status report type containing a mandatory IE missing (link integrity verification). Standard Ref.: A.6, A.5	128
Bidirectional/Error/	B_15N		Verify that the IUT ignores STATUS ENQUIRY containing a mandatory IE content error (report type). Standard Ref.: A.6, A.5	129

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Bidirectional/Error/	B_16N		Verify that the IUT ignores STATUS ENQUIRY w/ full status report type containing a mandatory IE content error (link integrity verification IE with length = 1 and missing its receive sequence number). Standard Ref.: A.6, A.5	129
Bidirectional/System/	B_19V		Verify that the IUT increments the send sequence counter in the network-to-user direction modulo 256 but skips 0. Standard Ref.: A.4.2	130
Detailed Comments :				

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Preamble/	B1_PREAMBLE	Procedure to bring the IUT in state S1 – TE waiting for STATUS ENQUIRY message w/ link integrity verification only report type	132
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Preamble/	PS20_PREAMBLE	Procedure to bring IUT in state S20 – Wait for Timer T391 to time out and N <N391	133
Preamble/	PS21_PREAMBLE	Procedure to bring IUT in state S21 – Wait for Timer T391 to time out and N =N391	134
Preamble/	PS30_PREAMBLE	Procedure to bring IUT in state S3 – Wait for a STATUS ENQUIRY w/ link integrity verification only report type (N < N391)	134
Preamble/	PS31_PREAMBLE	Procedure to bring IUT in state S3 – Wait for a STATUS ENQUIRY w/ link integrity verification only report type and N = N391	135
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Miscellaneous/	B_UNEXPECTED	Procedure to handle all acceptable unexpected messages	141
Miscellaneous/	B_UNEXPECTED_RMT	Procedure to handle all acceptable unexpected messages on both the local and remote interfaces	142
Miscellaneous/	INCR_SN	Increment sequence number modulo 256 (skip 0).	142
Miscellaneous/	P_POLLING	Perform the periodic polling procedure	143
Miscellaneous/	P_SYNCH	Perform the periodic polling procedure (on first poll, do not check content of IUT's receive sequence number)	144

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Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Miscellaneous/	P_TIMEOUT	Time out until the IUT sends a STATUS ENQUIRY message.	145
Miscellaneous/	P_UNEXPECTED	Procedure to handle all acceptable unexpected messages	145
Miscellaneous/	SET_ONE_PVC	Procedure to set up one and only one PVC in the PVC table	146
Miscellaneous/	SET_ONE_PVC_RMT	Procedure to set up one and only one two-segment PVC (local and remote interfaces)	147
Postamble/	B_POSTAMBLE	Postamble for the bidirectional network procedure	150
Postamble/	B_POSTAMBLE_RMT	Postamble for the bidirectional network procedure – local and remote interfaces	151
Postamble/	P_POSTAMBLE	Postamble for the polling procedure	152
Detailed Comments :			

II

Declarations Part

Simple Type Definitions		
Type Name	Type Definition	Comments
BYTE	OCTETSTRING[1]	
Detailed Comments :		

ASN.1 Type Definition
Type Name : ProtDiscType
Comments : Protocol discriminator
Type Definition
OCTET STRING(SIZE(1))
Detailed Comments :

ASN.1 Type Definition
Type Name : CallRefValueType
Comments : Octet 2 of the call reference
Type Definition
SEQUENCE { crflag BIT STRING(SIZE(1)), crvalue BIT STRING(SIZE(7)) }
Detailed Comments :

ASN.1 Type Definition
Type Name : CallRefType
Comments : Call reference
Type Definition
SEQUENCE { crlen OCTET STRING(SIZE(1)), crval CallRefValueType OPTIONAL }
Detailed Comments :

ASN.1 Type Definition
Type Name : MessageTypeType
Comments : Message type
Type Definition
OCTET STRING(SIZE(1))
Detailed Comments :

ASN.1 Type Definition
Type Name : ReportType_IE
Comments : Report type IE
Type Definition
<pre>SEQUENCE { ieid OCTET STRING(SIZE(1)), ielen OCTET STRING(SIZE(1)), report_type_val OCTET STRING(SIZE(1)) OPTIONAL }</pre>
Detailed Comments :

ASN.1 Type Definition
Type Name : LinkIntegrityVerification_IE
Comments : Link integrity verification IE
Type Definition
<pre>SEQUENCE { ieid OCTET STRING(SIZE(1)), ielen OCTET STRING(SIZE(1)), send_seq OCTET STRING(SIZE(1)) OPTIONAL, rcv_seq OCTET STRING(SIZE(1)) OPTIONAL }</pre>
Detailed Comments :

ASN.1 Type Definition
Type Name : PVCStatus_IE
Comments : Permanent virtual connection status IE
Type Definition
<pre>SEQUENCE { ieid OCTET STRING(SIZE(1)), ielen OCTET STRING(SIZE(1)), ext1 BIT STRING(SIZE(1)), spare1 BIT STRING(SIZE(1)), dlc1hi BIT STRING(SIZE(6)), ext2 BIT STRING(SIZE(1)), dlc1lo BIT STRING(SIZE(4)), spare2 BIT STRING(SIZE(3)), ext3 BIT STRING(SIZE(1)), spare3 BIT STRING(SIZE(3)), new BIT STRING(SIZE(1)), spare4 BIT STRING(SIZE(1)), active BIT STRING(SIZE(1)), spare5 BIT STRING(SIZE(1)) }</pre>
Detailed Comments :

ASN.1 Type Definition	
Type Name :	PVCStatus_IEList
Comments :	
Type Definition	
SEQUENCE OF PVCStatus_IE	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: DLCI_VALUE(pvc_st:PVCStatus_IE)
Result Type	: BITSTRING
Comments	:
Description	
Returns the 10 bit DLCI value extracted from the "pvc_st" PVC status IE.	
Detailed Comments	:

Test Suite Operation Definition	
Operation Name	: DLCI_HI(STR:BITSTRING)
Result Type	: BITSTRING
Comments	:
Description	
Returns the most significant 6 bits of STR. Ex.: DLCI_HI('1111110000'B) = '111111'B.	
Detailed Comments	:

Test Suite Operation Definition	
Operation Name	: DLCI_LO(STR:BITSTRING)
Result Type	: BITSTRING
Comments	:
Description	
Returns the 4 least significant bits of STR. Ex.: DLCI_LO('0000001111'B) = '1111'B.	
Detailed Comments	:

Test Suite Operation Definition	
Operation Name	: INT_TO_OCT(intvalue,length:INTEGER)
Result Type	: OCTETSTRING
Comments	:
Description	
Convert a single INTEGER value to a single OCTETSTRING value. The resulting string is "length" OCTET long. Ex.: INT_TO_OCT(132, 2) = '0084'O.	
Detailed Comments	:

Test Suite Operation Definition	
Operation Name :	OCT_TO_INT(octvalue:OCTETSTRING)
Result Type :	INTEGER
Comments :	
Description	
Convert a single OCTETSTRING value to a single INTEGER value. Ex.: OCT_TO_INT('FF'O) = 255.	
Detailed Comments :	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
DELTA	INTEGER	PIXIT SP.P.5	IUT's T391 tolerance value
T391value	INTEGER	PIXIT SP.P.4	IUT's T391 duration in milliseconds
T392value	INTEGER	PIXIT SP.P.6	IUT's T392 duration in milliseconds
Toprvalue	INTEGER	PIXIT SP.B.6	Timer operator duration in seconds
N391	INTEGER	PIXIT SP.P.1	Full status polling counter (user side)
N391B	INTEGER	PIXIT SP.B.1	Full status polling counter (network side)
N392B	INTEGER	PIXIT SP.B.2	Error threshold
N393	INTEGER	PIXIT SP.P.3	Monitored events count (user side)
N393B	INTEGER	PIXIT SP.B.3	Monitored events count (network side)
Polling	BOOLEAN	PICS AD.2.1.1	Periodic Polling – IUT responds to a STATUS ENQUIRY with a STATUS message
New_PVC	BOOLEAN	PICS AD.2.1.3	IUT reports new PVCs via the PVC Status New Bit
Avail_PVC	BOOLEAN	PICS AD.2.1.4	IUT reports the availability of PVCs via the PVC Status Active bit
Asynch	BOOLEAN	PICS AD.2.2.7	IUT accepts PVC availability information via STATUS/Report Type = single PVC asynchronous status
Error	BOOLEAN	PICS AD.2.2.6	Does the IUT support user equipment operations error procedure?
Bidir_Procs	BOOLEAN	PICS C.1, C.2	Does the IUT support bidirectional network procedures?
IE_Out_Of_Seq	BOOLEAN	PIXIT	Can the IUT process messages with out of order IEs?
Polling_On_SAC	BOOLEAN	PIXIT	Does the IUT continue link verification procedures to detect service restoration following the detection of a service affecting condition at the user-network interface?
Remote_Interface	BOOLEAN	PIXIT	Can the IUT establish a PVC between a remote interface and its local interface.
first_dlci	BITSTRING	PIXIT D.1	10 bits DLCI on which the UNI procedure for the deletion of a PVC will take place

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Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
second_dlci	BITSTRING	PIXIT D.2	10 bits DLCI on which UNI the procedure for reporting the availability/unavailability of a PVC will take place
third_dlci	BITSTRING	PIXIT D.3	10 bits DLCI on which the UNI procedure for the reporting of a new PVC will take place
Detailed Comments :			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
N391_Eq_1	N391 = 1	
N391_Not_1	NOT(N391 = 1)	
Periodic_Polling	Polling	
Report_New_PVC	New_PVC	
New_PVC_N391_Not_1	New_PVC AND NOT(N391 = 1)	
Report_Available_PVC	Avail_PVC	
Avail_PVC_N391_Not_1	Avail_PVC AND NOT(N391 = 1)	
Asynch_Status	Asynch	
Asynch_Status_N391_Not_1	Asynch AND NOT(N391 = 1)	
SAC	Polling_On_SAC	
Error_Conditions	Error	
Bidir	Bidir_Procs	
Remote	Remote_Interface	
Detailed Comments :		

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
reserved_dlci	BITSTRING	'000000001'B	10 bits value representing reserved DLCI 1
q931	OCTETSTRING	'08'O	Q.931 protocol discriminator
invalid_pd	OCTETSTRING	'0A'O	
dummy	OCTETSTRING	'00'O	Dummy call reference content
basic	OCTETSTRING	'01'O	Content of a call reference of length 1
from_originator	BITSTRING	'1'B	Flag
to_originator	BITSTRING	'0'B	Flag
status	OCTETSTRING	'7D'O	STATUS message type
status_enq	OCTETSTRING	'75'O	STATUS ENQUIRY message type
undefined_message_type	OCTETSTRING	'7F'O	
report_type	OCTETSTRING	'51'O	Report type IE identifier
undefined_report_type	OCTETSTRING	'63'O	
full_status	OCTETSTRING	'00'O	Full status report type
link_integrity	OCTETSTRING	'01'O	Link integrity verification report type
single_pvc_asynch	OCTETSTRING	'02'O	Single PVC asynchronous report type
unrecognized_ie_id	OCTETSTRING	'02'O	
link_integ_verif	OCTETSTRING	'53'O	Link integrity verification IE identifier
pvc_status	OCTETSTRING	'57'O	PVC status IE identifier
new	BITSTRING	'1'B	PVC is new (PVC status IE, octet 4, new bit)
already_present	BITSTRING	'0'B	PVC is already present (PVC status IE, octet 4, new bit)
active	BITSTRING	'1'B	PVC is active (PVC status IE, octet 4, active bit)
inactive	BITSTRING	'0'B	PVC is inactive (PVC status IE, octet 4, active bit)
continues	BITSTRING	'0'B	Extension bit value indicating that the octet group continues through the next octet
last_octet	BITSTRING	'1'B	Extension bit value indicating that this octet is the last octet of the octet group
Detailed Comments :			

Test Suite Variable Declarations			
Variable Name	Type	Value	Comments
SSN	BYTE		Send sequence number
RSN	BYTE		Receive sequence number
SSN_RMT	BYTE		Send sequence number for the remote interface
RSN_RMT	BYTE		Receive sequence number for the remote interface
N	INTEGER		Number of polling cycles since last full status enquiry
Event	INTEGER		Monitored events count
Detailed Comments :			

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
INVAL_SSN	BYTE		Invalid send sequence number
D	BITSTRING	'0000000000'B	10 bit DLCI value
DRMT	BITSTRING	'0000000000'B	10 bit DLCI value for remote interface
Detailed Comments :			

PCO Declarations			
PCO Name	PCO Type	Role	Comments
L	L3_SAP	LT	PCO on the local interface
LRMT	L3_SAP	LT	PCO on the remote interface
M	Mgmt_SAP	UT	PCO for PVC Management
Detailed Comments :			

Timer Declarations			
Timer Name	Duration	Unit	Comments
T391	T391value	ms	LIV polling timer; started on transmission of a Status Enquiry
T392	T392value	ms	Polling verification timer; started on transmission of a STATUS, stopped on reception of a STATUS ENQUIRY
T		ms	Generic timer
Topr	Toprvalue	ms	Timer operator
Detailed Comments :			

ASN.1 ASP Type Definition	
ASP Name : Mgmt	
PCO Type : Mgmt_SAP	
Comments : Management ASP	
Type Definition	
SEQUENCE { msg OCTET STRING }	
Detailed Comments :	

ASN.1 PDU Type Definition
PDU Name : Status PCO Type : L3_SAP Comments : STATUS message
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType OPTIONAL, report_type ReportType_IE OPTIONAL, link_integrity_verification LinkIntegrityVerification_IE OPTIONAL, pvc_status PVCStatus_IELIST OPTIONAL }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_LIVrep PCO Type : L3_SAP Comments : STATUS message w/ duplicated link integrity verification IE
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, report_type ReportType_IE, link_integrity_verification1 LinkIntegrityVerification_IE, link_integrity_verification2 LinkIntegrityVerification_IE, pvc_status PVCStatus_IELIST OPTIONAL }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_RToos PCO Type : L3_SAP Comments : STATUS message with report type IE out of sequence
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, link_integrity_verification LinkIntegrityVerification_IE, report_type ReportType_IE, pvc_status PVCStatus_IELIST OPTIONAL }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_RTrep PCO Type : L3_SAP Comments : STATUS message with duplicated report type IE
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, report_type1 ReportType_IE, report_type2 ReportType_IE, link_integrity_verification LinkIntegrityVerification_IE, pvc_status PVCStatus_IEList OPTIONAL }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_Enquiry PCO Type : L3_SAP Comments : STATUS ENQUIRY message
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType OPTIONAL, report_type ReportType_IE OPTIONAL, link_integrity_verification LinkIntegrityVerification_IE OPTIONAL }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_Enquiry_LIVrep PCO Type : L3_SAP Comments : STATUS ENQUIRY message
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, report_type ReportType_IE, link_integrity_verification1 LinkIntegrityVerification_IE, link_integrity_verification2 LinkIntegrityVerification_IE }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_Enquiry_RT0os PCO Type : L3_SAP Comments : STATUS ENQUIRY message w/ report type out of sequence
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, link_integrity_verification LinkIntegrityVerification_IE, report_type ReportType_IE }</pre>
Detailed Comments :

ASN.1 PDU Type Definition
PDU Name : Status_Enquiry_RTrep PCO Type : L3_SAP Comments : STATUS ENQUIRY message w/ duplicated report type
Type Definition
<pre>SEQUENCE { protocol_discriminator ProtDiscType, call_reference CallRefType, message_type MessageTypeType, report_type1 ReportType_IE, report_type2 ReportType_IE, link_integrity_verification LinkIntegrityVerification_IE }</pre>
Detailed Comments :

III

Constraints Part

ASN.1 Type Constraint Declaration	
Constraint Name	: dummy_cr
ASN1 Type	: CallRefType
Derivation Path	:
Comments	: Dummy call reference
Constraint Value	
<pre>{ crlen dummy }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: global_cr
ASN1 Type	: CallRefType
Derivation Path	:
Comments	: Global call reference
Constraint Value	
<pre>{ crlen basic, crval { crflag from_originator, crvalue '0000000'B } }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: rep_type(REPORT_TYPE:OCTETSTRING)
ASN1 Type	: ReportType_IE
Derivation Path	:
Comments	: Report type IE with type of report as specified in the parameter list
Constraint Value	
<pre>{ ieid report_type, ielen '01'O, report_type_val REPORT_TYPE }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: empty_report_type
ASN1 Type	: ReportType_IE
Derivation Path	:
Comments	: Empty report type IE (IE length is 0)
Constraint Value	
<pre>{ ieid report_type, ielen '00'O }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: liv(SS,RS:OCTETSTRING)
ASN1 Type	: LinkIntegrityVerification_IE
Derivation Path	:
Comments	: Link integrity verification IE with SSN and RSN as specified in the parameter list
Constraint Value	
<pre>{ ieid link_integ_verif, ielen '02'O, send_seq SS, rcv_seq RS }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: liv_miss_rsn(SS:OCTETSTRING)
ASN1 Type	: LinkIntegrityVerification_IE
Derivation Path	:
Comments	: Link integrity verification IE missing its receive sequence number
Constraint Value	
<pre>{ ieid link_integ_verif, ielen '01'O, send_seq SS }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: liv_inval_len(SS,RS:OCTETSTRING)
ASN1 Type	: LinkIntegrityVerification_IE
Derivation Path	:
Comments	: Link integrity verification IE with an invalid IE length
Constraint Value	
<pre>{ ieid link_integ_verif, ielen '03'O, send_seq SS, rcv_seq RS }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: unrec_ie(SS,RS:OCTETSTRING)
ASN1 Type	: LinkIntegrityVerification_IE
Derivation Path	:
Comments	: Unrecognized IE
Constraint Value	
<pre>{ ieid unrecognized_ie_id, ielen '02'O, send_seq SS, rcv_seq RS }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name	: pvc_stat(DLCI,NEW,ACTIVE:BITSTRING)
ASN1 Type	: PVCStatus_IE
Derivation Path	:
Comments	: PVC status IE with DLCI, new and active bits as specified in the parameter list
Constraint Value	
<pre> { ieid pvc_status, ielen '03'O, ext1 continues, spare1 '0'B, dlcihi DLCI_HI(DLCI), ext2 last_octet, dlciilo DLCI_LO(DLCI), spare2 '000'B, ext3 last_octet, spare3 '000'B, new NEW, spare4 '0'B, active ACTIVE, spare5 '0'B } </pre>	
Detailed Comments	:

ASN.1 Type Constraint Declaration	
Constraint Name	: pvc_stat_any_dlci(NEW,ACTIVE:BITSTRING)
ASN1 Type	: PVCStatus_IE
Derivation Path	:
Comments	: PVC status IE with DLCI, new and active bits as specified in the parameter list
Constraint Value	
<pre> { ieid pvc_status, ielen '03'O, ext1 continues, spare1 '0'B, dlcihi ?, ext2 last_octet, dlciilo ?, spare2 '000'B, ext3 last_octet, spare3 '000'B, new NEW, spare4 '0'B, active ACTIVE, spare5 '0'B } </pre>	
Detailed Comments	:

ASN.1 Type Constraint Declaration	
Constraint Name	: pvc_stat_spare(DLCI,NEW,ACTIVE:BITSTRING)
ASN1 Type	: PVCStatus_IE
Derivation Path	:
Comments	: PVC status IE with spare bits of octet 4 set to 1
Constraint Value	
<pre> { ieid pvc_status, ielen '03'O, ext1 continues, spare1 '0'B, dlcihi DLCI_HI(DLCI), ext2 last_octet, dlcilo DLCI_LO(DLCI), spare2 '000'B, ext3 last_octet, spare3 '111'B, new NEW, spare4 '1'B, active ACTIVE, spare5 '1'B } </pre>	
Detailed Comments	:

ASN.1 Type Constraint Declaration	
Constraint Name	: pvc_stat_ext_1(DLCI,NEW,ACTIVE:BITSTRING)
ASN1 Type	: PVCStatus_IE
Derivation Path	:
Comments	: PVC status IE with first extension bit set to 1
Constraint Value	
<pre> { ieid pvc_status, ielen '03'O, ext1 last_octet, spare1 '0'B, dlcihi DLCI_HI(DLCI), ext2 last_octet, dlcilo DLCI_LO(DLCI), spare2 '000'B, ext3 last_octet, spare3 '000'B, new NEW, spare4 '0'B, active ACTIVE, spare5 '0'B } </pre>	
Detailed Comments	:

ASN.1 Type Constraint Declaration	
Constraint Name :	pvc_stat_ext_3(DLCI,NEW,ACTIVE:BITSTRING)
ASN1 Type :	PVCStatus_IE
Derivation Path :	
Comments :	PVC status IE with third extension bit set to 0
Constraint Value	
<pre>{ ieid pvc_status, ielen '03'O, ext1 continues, spare1 '0'B, dlcihi DLCI_HI(DLCI), ext2 last_octet, dlcihi DLCI_HI(DLCI), dlcihi DLCI_HI(DLCI), spare2 '000'B, ext3 continues, spare3 '000'B, new NEW, spare4 '0'B, active ACTIVE, spare5 '0'B }</pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name	: PVC_ADD
ASP Type	: Mgmt
Derivation Path	:
Comments	: Primitive used to notify IUT to add a new PVC
Constraint Value	
<pre>{ msg '00'O }</pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name	: PVC_CLEAR
ASP Type	: Mgmt
Derivation Path	:
Comments	: Primitive used to notify IUT to clear all PVCs from the PVC table
Constraint Value	
<pre>{ msg '01'O }</pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name	: PVC_DELETE
ASP Type	: Mgmt
Derivation Path	:
Comments	: Primitive used to notify IUT to delete a PVC
Constraint Value	
<pre>{ msg '02'O }</pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name	: PVC_SEG_ADD
ASP Type	: Mgmt
Derivation Path	:
Comments	: Primitive used to notify IUT to add a new PVC segment
Constraint Value	
<pre>{ msg '03'O }</pre>	
Detailed Comments :	

ASN.1 ASP Constraint Declaration	
Constraint Name	: PVC_SEG_CLEAR
ASP Type	: Mgmt
Derivation Path	:
Comments	: Primitive used to notify IUT to clear all PVC segments from the PVC table
Constraint Value	
{	msg '04'O
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V1(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ LIV only – E07
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V2(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status (initial FS report: 2 new PVCs – one active, one inactive) – E02
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, new, active), pvc_stat(second_dlcI, new, inactive) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V3(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; addition of a new PVC (new and active) – E03
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, inactive), pvc_stat(third_dlcI, new, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V4(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; deletion of a PVC – E04
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V5(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; activation of an inactive PVC – E05
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V6(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; deactivation of an active PVC – E06
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, inactive), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V7
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ single PVC asynchronous status; PVC already present and active – E11
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(single_pvc_asynch), pvc_status { pvc_stat(second_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V8(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; one active and one inactive PVC, both already present – E05
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V9(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; any PVC IE list is accepted
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status * }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V10
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ single PVC asynchronous status; a PVC IE must be present
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(single_pvc_asynch), pvc_status { pvc_stat(?, ?, ?) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V11(SS,RS:OCTETSTRING;DLCI,NEW:BITSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; one PVC status IE present with DLCI and new bits as specified in the parameter list – BE17
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(DLCI, NEW, ?) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V12(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; one PVC status IE present – BE17
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat_any_dlci(new, ?) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V13(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status and no PVC status IE – BE18
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V14(SS,RS:OCTETSTRING;DLCI,ACTIVE:BITSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; one PVC status IE present with DLCI and active bits as specified in the parameter list – BE21
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(DLCI, ?, ACTIVE) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V15(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; one PVC status IE present w/ new and active bits set to one
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat_any_dlc(new, active) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_V16(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Valid STATUS message w/ full status; two PVC status IE present – BE23
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat_any_dlc(?, ?), pvc_stat_any_dlc(?, ?) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N1(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; protocol discrimination error – E12
Constraint Value	
<pre> { protocol_discriminator invalid_pd, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N2
PDU Type	: Status
Derivation Path	:
Comments	: Invalid message – too short (i.e. protocol discriminator and call reference only) – E13
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N3(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ LIV only; invalid call reference – E14
Constraint Value	
<pre> { protocol_discriminator q931, call_reference global_cr, message_type status, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N3b(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; invalid call reference – E14
Constraint Value	
<pre> { protocol_discriminator q931, call_reference global_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N4(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid message: undefined message type; remainder of message appears as valid full status – E15
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type undefined_message_type, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N6(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message: invalid report type; remainder of message appears as valid full status – E16
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(undefined_report_type), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N7(SS,RS:OCTETSTRING)
PDU Type	: Status_RTrep
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; duplicated report type – E25
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type1 rep_type(full_status), report_type2 rep_type(undefined_report_type), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N8(SS,RS:OCTETSTRING)
PDU Type	: Status_LIVrep
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; duplicated LIV – E26
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification1 liv(SS, RS), link_integrity_verification2 liv_miss_rsn(SS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N9(SS,RS:OCTETSTRING)
PDU Type	: Status_LIVrep
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; unrecognized IE – E24
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification1 unrec_ie(SS, RS), link_integrity_verification2 liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N11(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; duplicate PVC status for same DLCI – E28
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(first_dlcI, new, inactive), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N12(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message; mandatory report type IE missing – E20
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N13
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ LIV only; mandatory LIV IE missing – E21
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(link_integrity) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N13b
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; mandatory LIV IE missing – E21
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, active) } }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N14(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; PVC status with new bit off for new PVC – E32
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, inactive), pvc_stat(third_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N15(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; PVC status with new bit on for existing PVC – E33
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlcI, new, active), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N16(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; PVC status IEs out of order – E23
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(second_dlci, already_present, inactive), pvc_stat(first_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N17(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ mandatory IE content error; report type IE is missing rept type value field – E17
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type empty_report_type, link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N18(SS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ LIV only; mandatory IE content error: LIV IE is missing receive sequence number – E18
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(link_integrity), link_integrity_verification liv_miss_rsn(SS) }</pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N18b(SS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; mandatory IE content error: LIV IE is missing receive sequence number – E18
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv_miss_rsn(SS), pvc_status { pvc_stat(first_dlc, already_present, active), pvc_stat(second_dlc, already_present, active) } }</pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N19(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; mandatory IE content error: LIV IE has invalid length field – E'9
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv_inval_len(SS, RS), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N20(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; non-mandatory IE content error: PVC status IE spare bits set to 1 – E31
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat_spare(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N21
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ single PVC asynchronous status; duplicated PVC status IE – E27
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(single_pvc_asynch), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N22(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ single PVC asynchronous status; unrecognized LIV IE – E29
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(single_pvc_asynch), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N24(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; PVC status IE has reserved DLCI – E30
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(reserved_dlcI, new, active), pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N26(SS,RS:OCTETSTRING)
PDU Type	: Status_RT00s
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; report type IE out of sequence – E22
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, link_integrity_verification liv(SS, RS), report_type rep_type(full_status), pvc_status { pvc_stat(first_dlcI, already_present, active), pvc_stat(second_dlcI, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N27
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ single PVC asynchronous status; new bit off for a new PVC – E34
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(single_pvc_asynch), pvc_status { pvc_stat(third_dlci, already_present, active) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N28(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; first PVC status IE has first extension bit set to 1 – E38
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat_ext_1(first_dlci, already_present, active), pvc_stat(second_dlci, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: ST_N29(SS,RS:OCTETSTRING)
PDU Type	: Status
Derivation Path	:
Comments	: Invalid STATUS message w/ full status; first PVC status IE has third extension bit set to 0 – E39
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status, report_type rep_type(full_status), link_integrity_verification liv(SS, RS), pvc_status { pvc_stat(first_dlci, already_present, active), pvc_stat_ext_3(second_dlci, already_present, inactive) } } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_V1(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Valid STATUS ENQUIRY message w/ LIV only
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_V2(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Valid STATUS ENQUIRY message w/ full status
Constraint Value	
<pre> { protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(full_status), link_integrity_verification liv(SS, RS) } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_V4(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Valid STATUS ENQUIRY message w/ report type IE present
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(?), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N1(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message; protocol discrimination error – BE05
Constraint Value	
<pre>{ protocol_discriminator invalid_pd, call_reference dummy_cr, message_type status_enq, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N2(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message; invalid call reference – BE06
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference global_cr, message_type status_enq, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N3
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid message – too short (i.e. protocol discriminator and call reference only) – BE07
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N4(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid message; undefined message – BE08
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type undefined_message_type, report_type rep_type(link_integrity), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N5(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry_RTos
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message w/ LIV only; report type out of sequence – BE09
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, link_integrity_verification liv(SS, RS), report_type rep_type(link_integrity) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N6(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry_LIVrep
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message w/ LIV only; duplicate LIV – BE10
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(link_integrity), link_integrity_verification1 liv(SS, RS), link_integrity_verification2 liv_miss_rsn(SS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N7(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry_RTrep
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message w/ full status; duplicate report type IE – BE11
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type1 rep_type(full_status), report_type2 rep_type(undefined_report_type), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N8(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry_LIVrep
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message w/ full status; unrecognized IE – BE12
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(full_status), link_integrity_verification1 unrec_ie(SS, RS), link_integrity_verification2 liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N9(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message; mandatory report type IE missing – BE13
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N10
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message w/ full status; mandatory LIV IE missing – BE14
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(full_status) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SQ_N11(SS,RS:OCTETSTRING)
PDU Type	: Status_Enquiry
Derivation Path	:
Comments	: Invalid STATUS ENQUIRY message; undefined report type – BE15
Constraint Value	
<pre>{ protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(undefined_report_type), link_integrity_verification liv(SS, RS) }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name :	SQ_N12(SS:OCTETSTRING)
PDU Type :	Status_Enquiry
Derivation Path :	
Comments :	Invalid STATUS ENQUIRY message w/ full status; mandatory LIV IE content error (missing RSN) – BE16
Constraint Value	
{	protocol_discriminator q931, call_reference dummy_cr, message_type status_enq, report_type rep_type(full_status), link_integrity_verification liv_miss_rsn(SS)
}	
Detailed Comments :	

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : PS0_01V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT initiates periodic polling by sending STATUS ENQUIRY after IUT initialization. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+PS0_PREAMBLE			
2		START T392			
3		L?Status_Enquiry (N := 1, RSN := Status_Enquiry.link_integrity_verification.s end_seq) CANCEL T392	SQ_V2(?,SSN)	(P)	RT=Full status
4		+INCR_SN(SSN)			
5		L!Status	ST_V8(SSN,RSN)		
6		+P_POSTAMBLE			
7		L?Status_Enquiry (N := N + 1, RSN := Status_Enquiry.link_integrity_verification.s end_seq) CANCEL T392	SQ_V1(?,SSN)	(P)	RT=LIV only
8		+INCR_SN(SSN)			
9		L!Status	ST_V1(SSN,RSN)		
10		+P_POSTAMBLE			
11		?TIMEOUT T392		(F)	
12		+P_POSTAMBLE			
13		+P_UNEXPECTED			
14		GOTO L1			
15		L?OTHERWISE		(F)	
16		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_02V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V2(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_03V Group : Periodic_Polling/General/ Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 1 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.3 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_V3(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_04V Group : Periodic_Polling/General/ Purpose : Verify that the IUT accepts a STATUS w/ full status report type, omitting the PVC status IE of a previously reported PVC, when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.1.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_V4(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_05V Group : Periodic_Polling/General/ Purpose : Verify that the IUT accepts a STATUS w/ full status report type reporting the availability of a PVC (active bit set to 1) for a previously inactive PVC when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.:A.4.4 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_V5(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_06V Group : Periodic_Polling/General/ Purpose : Verify that the IUT accepts a STATUS w/ full status report type reporting the unavailability of a PVC (active bit set to 0) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.4.4 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_V6(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_071					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT ignores a STATUS w/ link integrity verification report type when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_V1(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_08V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after after a unanswered N391 th polling cycle when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		START T392			
3	L1	L?Status_Enquiry (N := 1, RSN := Status_Enquiry.link_integrity_verification.s end_seq) CANCEL T392	SQ_V2(?,SSN)	(P)	
4		+INCR_SN(SSN)			
5		L!Status	ST_V8(SSN,RSN)		
6		+P_POSTAMBLE			
7		?TIMEOUT T392		(F)	
8		+P_POSTAMBLE			
9		+P_UNEXPECTED			
10		GOTO L1			
11		L?OTHERWISE		(F)	
12		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour						
Test Case Name : PS1_09V Group : Periodic_Polling/General/ Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after a unanswered polling cycle prior to the N391 st polling cycle when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.4.1 Configuration : Default : Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+PS1_PREAMBLE	SQ_V2(? ,SSN) ST_V8(SSN,RSN)	(P)		
2		START T392				
3		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := 1) CANCEL T392				
4		+INCR_SN(SSN)				
5		L!Status				
6		+P_POSTAMBLE				
7		?TIMEOUT T392				(F)
8		+P_POSTAMBLE				
9		+P_UNEXPECTED				
10		GOTO L1				
11		L?OTHERWISE				(F)
12		+P_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour					
Test Case Name : PS1_11V Group : Periodic_Polling/General/ Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.1.1, A.4.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_V7		(1)
2		L!Status			
3		(N := N391)			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments : (1) Next poll must be a full STATUS ENQUIRY					

Test Case Dynamic Behaviour					
Test Case Name : PS2_021					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT ignores an unsolicited STATUS w/ full status report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_V2(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_071					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT ignores an unsolicited STATUS w/ link integrity verificationonly report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_V1(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_08V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ full status report type on the N391 th polling cycle when the IUT is in state S2. The final IUT state is expected to be S1. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+PS21_PREAMBLE			
2		START T392			
3		L?Status_Enquiry (N := 1, RSN := Status_Enquiry.link_integrity_verification.s end_seq) CANCEL T392	SQ_V2(?,SSN)	(P)	
4		+INCR_SN(SSN)			
5		L!Status	ST_V8(SSN,RSN)		
6		+P_POSTAMBLE			
7		?TIMEOUT T392			(F)
8		+P_POSTAMBLE			
9		+P_UNEXPECTED			
10		GOTO L1			
11		L?OTHERWISE			(F)
12		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_09V Group : Periodic_Polling/General/ Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ link integrity verification only report type after T391 expiration on a polling cycle prior to the N391 th polling cycle when the IUT is in state S2. The final IUT state is expected to be S3. Standard Ref.: A.4.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		START T392			
3	L1	L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := N + 1) CANCEL T392	SQ_V1(?,SSN)	(P)	
4		+INCR_SN(SSN)			
5		L!Status	ST_V1(SSN,RSN)		
6		+P_POSTAMBLE			
7		?TIMEOUT T392		(F)	
8		+P_POSTAMBLE			
9		+P_UNEXPECTED			
10		GOTO L1			
11		L?OTHERWISE		(F)	
12		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_11V Group : Periodic_Polling/General/ Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.1.1, A.4.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		L!Status	ST_V7		
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_02V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1.4					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE	ST_V2(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_03V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 1 when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.3					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE	ST_V3(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_04V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report, omitting the PVC status IE of a previously reported PVC, when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V4(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_05V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type reporting the availability of a PVC (active bit set to 1) for a previously inactive PVC when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.:A.4.4					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V5(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_06V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type reporting the unavailability of a PVC (active bit set to 0) when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.4					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V6(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_07V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT accepts a STATUS w/ link integrity verification report type when the IUT is in state S3. The final IUT state is expected to be S2. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V1(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_08V Group : Periodic_Polling/General/ Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ full status report type after a unanswered N391 th polling cycle when the IUT is in state S3. The final IUT state is expected to be S1. Standard Ref.: A.4.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS31_PREAMBLE			
2		START T392			
3	L1	L?Status_Enquiry (N := 1, RSN := Status_Enquiry.link_integrity_verification.s end_seq) CANCEL T392	SQ_V2(?,SSN)	(P)	
4		+INCR_SN(SSN)			
5		L!Status	ST_V8(SSN,RSN)		
6		+P_POSTAMBLE			
7		?TIMEOUT T392		(F)	
8		+P_POSTAMBLE			
9		+P_UNEXPECTED			
10		GOTO L1			
11		L?OTHERWISE		(F)	
12		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour						
Test Case Name : PS3_09V						
Group : Periodic_Polling/General/						
Purpose : Verify that the IUT sends a STATUS ENQUIRY w/ link integrity verification only report type after an unanswered polling cycle prior to the N391 st polling cycle when the IUT is in state S3. The final IUT state is expected to be S3. StandardRef.: A.4.1						
Configuration :						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+PS30_PREAMBLE	SQ_V1(? ,SSN) ST_V1(SSN,RSN)	(P)		
2		START T392				
3		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := N + 1) CANCEL T392				
4		+INCR_SN(SSN)				
5		L!Status				
6		+P_POSTAMBLE				
7		?TIMEOUT T392				(F)
8		+P_POSTAMBLE				
9		+P_UNEXPECTED				
10		GOTO L1				
11		L?OTHERWISE				(F)
12		+P_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour					
Test Case Name : PS3_11V					
Group : Periodic_Polling/General/					
Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.1.1, A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE	ST_V7		
2		L!Status			
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_10N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT ignores a STATUS w/ full status type of report containing an invalid receive sequence number when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5.2 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_V8(INVAL_SSN,'00'O)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_12N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT ignores a STATUS message w/ a protocol discrimination error when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5, A.2.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N1(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_13N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message w/ a message too short (protocol discriminator and call reference only) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N2		
2		!Status			
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_14N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message w/ a call reference other than the dummy call reference when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5, A.2.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N3b(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		!Status			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_15N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores an undefined message when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N4(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_16N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with an invalid type of report when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N6(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_17N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a report type IE with an invalid content (length = 0) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N17(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_18N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a full status report type and containing a mandatory IE content error (LIV IE length = 1 and missing its receive sequence number) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N18b(INVAL_SSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_19N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a full status report type and with a LIV IE with an invalid content (length error) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N19(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_20N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a mandatory IE missing (reporttype IE) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N12(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_21N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a mandatory IE missing (LIV IE) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N13b		
2		L!Status			
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_22N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores or accepts a STATUS w/ full status report type and report type IE out of sequence when the IUT is in state S1. The final IUT state is expected to be S1 or S2 respectively. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N26(SSN,RSN) ST_N26(INVAL_SSN,RSN)		
2		[IE_Out_Of_Seq]			
3		+INCR_SN(SSN)			
4		L!Status_RTos			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
7		[NOT (IE_Out_Of_Seq)]			
8		(INVAL_SSN := SSN)			
9		+INCR_SN(INVAL_SSN)			
10		L!Status_RTos			
11		+P_VERIFICATION			
12		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_23N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS w/ full status report and PVC status IE outof sequence when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N16(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_24N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report and an unrecognized IE when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_LIVrep	ST_N9(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_25N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT accepts a STATUS w/ full status report with a duplicated report type IE (the second report type is invalid) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_RTrep	ST_N7(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_26N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT accepts a STATUS w/ full status report type with a duplicated LIV IE (the second LIV IE contains an invalid receive sequence number) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_LIVrep	ST_N8(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_27N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type containing two PVC status IE when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		L!Status	ST_N21		
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_28N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing conflicting information in duplicated DLCI when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_N11(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_29N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N22(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		LIStatus			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_30N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT ignores a STATUS message with full status report type and also a PVC status IE with an invalid content (reserved DLCI) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N24(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		LIStatus			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_31N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS message with a full status report type and also a PVC status IE with an invalid content (spare bits of octet 4 set to 1) when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_N20(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_32N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_N14(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_33N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE identifying a DLCI in use and the new bit set to 1 when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N15(SSN,RSN)		
2		+INCR_SN(SSN)			
3		L!Status			
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_34N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS w/ single PVC asynchronous type of report containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S1. The final IUT state is expected to be S1. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE	ST_N27		
2		L!Status			
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_38N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE with first extension bit set to 1 (last octet) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_N28(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS1_39N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT accepts a STATUS w/ full status report type containing PVC status IE with third extension bit set to 0 (octet continues) when the IUT is in state S1. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_N29(SSN,RSN)		
4		+P_VERIFICATION			
5		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_12N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores an unsolicited STATUS message w/ a protocol discrimination error when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE	ST_N1(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_15N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores an unrecognized message when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE	ST_N4(INVAL_SSN,RSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status			
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_18N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT ignores an unsolicited STATUS message w/ a mandatory IE content error (LIV IE length = 1 and missing its receive sequence number) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.:A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N18(INVAL_SSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_20N Group : Periodic_Polling/Error/ Purpose : Verify that the IUT ignores an unsolicited STATUS message w/ a missing mandatory IE (report type) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N12(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_24N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores an unsolicited STATUS message w/ link integrity verification only report type and an unrecognized IE when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		LIStatus_LIVrep	ST_N9(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_27N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous status report type containing two PVC status IE when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		LIStatus	ST_N21		
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_29N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N22(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS2_34N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS w/ single PVC asynchronous type of report containing PVC status IE identifying an unknown DLCI and the new bit set to 0 when the IUT is in state S2. The final IUT state is expected to be S2. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		L!Status	ST_N27		
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_10N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS w/ link integrity verification type of report and an invalid receive sequence number when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_V1(INVAL_SSN,'00'O)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_14N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message w/ a call reference other than the dummy call reference when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5, A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N3(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_18N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a link integrity verification report type and containing a mandatory IE content error (LIV IE length = 1 and no receive sequence number) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N18(INVAL_SSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_21N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT ignores a STATUS message with a mandatory IE missing (LIV IE) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		L!Status	ST_N13		
3		+P_VERIFICATION			
4		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : PS3_29N					
Group : Periodic_Polling/Error/					
Purpose : Verify that the IUT continues periodic polling after receiving a STATUS w/ single PVC asynchronous report type and an unrecognized IE (LIV) when the IUT is in state S3. The final IUT state is expected to be S3. Standard Ref.: A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status	ST_N22(INVAL_SSN,RSN)		
5		+P_VERIFICATION			
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : P_35V					
Group : Periodic_Polling/System/					
Purpose : Verify that the IUT's T391 between successive link integrity verifications is within its tolerance value. Standard Ref.: A.4.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS0_PREAMBLE			
2		START T (T391value – DELTA)			
3	L1	?TIMEOUT T			
4		START T (DELTA + DELTA)			
5	L2	L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verificati on.send_seq, N := 1) CANCEL T	SQ_V2(? ,SSN)	(P)	RT=Full status
6		+INCR_SN(SSN)			
7		L!Status	ST_V8(SSN,RSN)		
8		+P_POSTAMBLE			
9		L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verificati on.send_seq, N := N + 1)	SQ_V1(? ,SSN)	(P)	RT=LIV only
10		+INCR_SN(SSN)			
11		L!Status	ST_V1(SSN,RSN)		
12		+P_POSTAMBLE			
13		+P_UNEXPECTED			
14		GOTO L2			
15		?TIMEOUT T		(F)	
16		+P_POSTAMBLE			
17		L?OTHERWISE		(F)	
18		+P_POSTAMBLE			
19		+P_UNEXPECTED			
20		GOTO L1			
21		L?OTHERWISE		(F)	
22		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : P_36V					
Group : Periodic_Polling/System/					
Purpose : Verify that the IUT increments the send sequence counter in the user-to-network direction modulo 256 but skips 0. Standard Ref.: A.4.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		REPEAT P_POLLING UNTIL [RSN = 'FF'0]			
3		+P_POLLING			
4		[RSN = '00'0]		(F)	
5		+P_POSTAMBLE			
6		[NOT (RSN = '00'0)]		(P)	
7		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : P_37V					
Group : Periodic_Polling/System/					
Purpose : Verify that the IUT continues link verification procedures to detect service restoration following the detection of a service affecting condition at the user-network interface. Standard Ref.: A.5.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS20_PREAMBLE			
2		(Event := 0)			
3		REPEAT P_TIMEOUT UNTIL [Event = N393]			
4		+P_TIMEOUT			
5		[TRUE]		(P)	
6		+P_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_01V					
Group : Bidirectional/General/					
Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type with a STATUS message. Standard Ref.: A.6					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_Enquiry (N := N + 1)	SQ_V1(SSN,RSN)		
4		START T391			
5	L1	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V1(?;SSN)	(P)	RT=LIV only
6		+B_T391TIMEOUT			
7		+B_POSTAMBLE			
8		L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(?;SSN)	(P)	RT=Full status
9		+B_T391TIMEOUT			
10		+B_POSTAMBLE			
11		+B_UNEXPECTED			
12		GOTO L1			
13		?TIMEOUT T391		(F)	
14		+B_POSTAMBLE			
15		L?OTHERWISE		(F)	
16		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour						
Test Case Name : B_02V						
Group : Bidirectional/General/						
Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type with a STATUS message w/ full status report. Standard Ref.: A.6						
Configuration :						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+B0_PREAMBLE	SQ_V2(SSN,RSN)	(P)	RT=Full status	
2		+INCR_SN(SSN)				
3		L!Status_Enquiry (N := 1)				
4		START T391				
5		L?Status (RSN := Status.link_integrity_verification.send_seq)				
6		+B_T391TIMEOUT				
7		+B_POSTAMBLE				
8		+B_UNEXPECTED				
9		GOTO L1				
10		?TIMEOUT T391				(F)
11		+B_POSTAMBLE				
12		L?OTHERWISE				(F)
13		+B_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour						
Test Case Name : B_03V						
Group : Bidirectional/General/						
Purpose : Verify that the IUT does not send an unsolicited STATUS message. Standard Ref.: A.6						
Configuration :						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+B0_PREAMBLE		(P)		
2		(N := N + 1)				
3		START T391				
4		?TIMEOUT T391				
5		+B_POSTAMBLE				
6		+B_UNEXPECTED				
7		GOTO L1				
8		L?OTHERWISE				(F)
9		+B_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour					
Test Case Name : B_17V					
Group : Bidirectional/General/					
Purpose : Verify that the IUT does not clear the new bit in the PVC status IE until it receives a STATUS ENQUIRY message containing a receive sequence number equal to the send sequence counter (i.e. the send sequence number transmitted in the last STATUS message). Standard Ref.: A.4.3.2					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		+SET_ONE_PVC			
3		+INCR_SN(SSN)			
4		+INCR_SN(RSN)			
5		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		(1)
6		START T391			
7	L1	L?Status(RSN := Status.link_integrity_verification.send_seq)	ST_V11(? , SSN, D, new)		
8		+B_T391TIMEOUT			
9		+INCR_SN(SSN)			
10		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		(2)
11		START T391			
12	L2	L?Status(RSN := Status.link_integrity_verification.send_seq)	ST_V11(? , SSN, D, already_present)	(P)	
13		+B_T391TIMEOUT			
14		+B_POSTAMBLE			
15		+B_UNEXPECTED			
16		GOTO L2			
17		?TIMEOUT T391		(F)	
18		+B_POSTAMBLE			
19		L?OTHERWISE		(F)	
20		+B_T391TIMEOUT			
21		+B_POSTAMBLE			
22		+B_UNEXPECTED			
23		GOTO L1			
24		?TIMEOUT T391		(F)	
25		+B_POSTAMBLE			
26		L?OTHERWISE		(F)	
27		+B_T391TIMEOUT			
28		+B_POSTAMBLE			
Detailed Comments : (1) STATUS ENQUIRY with full status report and an invalid receive sequence number; the IUT should not clear the new bit (2) STATUS ENQUIRY with full status report and a valid receive sequence number; the IUT should clear the new bit					

Test Case Dynamic Behaviour					
Test Case Name : B_18V					
Group : Bidirectional/General/					
Purpose : Verify that, after a PVC is deleted from the IUT, the STATUS message sent by the IUT no longer contains the PVC status IE for that PVC. Standard Ref.: A.4.1.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		+SET_ONE_PVC			
3		<IUT!Mgmt>	PVC_DELETE		
4		START Topr			
5	L1	+INCR_SN(SSN)			
6		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
7		START T391			
8	L2	L?Status(RSN := Status.link_integrity_verification.s end_seq) CANCEL Topr	ST_V13(?, SSN)	(P)	(1)
9		+B_T391TIMEOUT			
10		+B_POSTAMBLE			
11		L?Status(RSN := Status.link_integrity_verification.s end_seq)	ST_V11(?, SSN, D, already_present)		(2)
12		<IUT!Mgmt>	PVC_DELETE		
13		+B_T391ToprTIMEOUT			
14		GOTO L1			
15		+B_UNEXPECTED			
16		<IUT!Mgmt>	PVC_DELETE		
17		GOTO L2			
18		?TIMEOUT T391		(F)	
19		+B_POSTAMBLE			
20		?TIMEOUT Topr		(F)	
21		+B_T391TIMEOUT			
22		+B_POSTAMBLE			
23		L?OTHERWISE		(F)	
24		+B_T391TIMEOUT			
25		+B_POSTAMBLE			
Detailed Comments : (1) STATUS message with full status report type and no PVC status IE (2) STATUS message with full status report type and a PVC status IE for DLCI D					

Test Case Dynamic Behaviour					
Test Case Name : B_20V					
Group : Bidirectional/General/					
Purpose : Verify that when a new PVC is configured, the IUT sets the new bit to 1 in the PVC status IE for that PVC in a full status STATUS message. Standard Ref.: A.4.3.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		+CONFIG_PVC_SEGMENT			
3		START Topr			
4	L1	+INCR_SN(SSN)			
5		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
6		START T391			
7	L2	L?Status(RSN := Status.link_integrity_verification.se nd_seq) CANCEL Topr	ST_V12(?, SSN)	(P)	
8		+B_T391TIMEOUT			
9		+B_POSTAMBLE			
10		L?Status(RSN := Status.link_integrity_verification.se nd_seq)	ST_V9(?, SSN)		
11		+CONFIG_PVC_SEGMENT			
12		+B_T391ToprTIMEOUT			
13		GOTO L1			
14		?TIMEOUT T391		(F)	
15		+B_POSTAMBLE			
16		?TIMEOUT Topr		(F)	
17		+B_T391TIMEOUT			
18		+B_POSTAMBLE			
19		+B_UNEXPECTED			
20		+CONFIG_PVC_SEGMENT			
21		GOTO L2			
22		L?OTHERWISE		(F)	
23		+B_T391TIMEOUT			
24		+B_POSTAMBLE			
		CONFIG_PVC_SEGMENT			
25		<IUT!Mgmt>	PVC_CLEAR		
26		<IUT!Mgmt>	PVC_ADD		
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_21V					
Group : Bidirectional/General/					
Purpose : Verify that the IUT detects the non-receipt of the last N392 STATUS ENQUIRY messages and sets the active bit to 0 for the affected PVC's. Standard Ref.: A.4.4, A.5.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+SET_ONE_PVC_RMT			
2		(Event := 0)			
3		[NOT(Event = N392B)]			
4		(Event := Event + 1)			
5		+INCR_SN(SSN)			
6		L!Status_Enquiry	SQ_V2(SSN, RSN)		
7		START T391			
8	L2	L?Status(RSN := Status.link_integrity_verification.s end_seq)	ST_V14(?, SSN, D, active)		
9		+B_T391TIMEOUT			
10		GOTO L1			
11		+B_UNEXPECTED_RMT			
12		GOTO L2			
13		+INV_BEH			
14		[Event = N392B]			
15		+INCR_SN(SSN)			
16		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
17		START T391			
18	L3	L?Status(RSN := Status.link_integrity_verification.se nd_seq)	ST_V14(?, SSN, D, inactive)	(P)	
19		+B_T391TIMEOUT_RMT			
20		+B_POSTAMBLE_RMT			
21		+B_UNEXPECTED_RMT			
22		GOTO L3			
23		+INV_BEH			
24		INV_BEH ?TIMEOUT T391		(F)	
25		+B_POSTAMBLE_RMT			
26		L?OTHERWISE		(F)	
27		+B_T391TIMEOUT_RMT			
28		+B_POSTAMBLE_RMT			
29		LRMT?OTHERWISE		(F)	
30		+B_T391TIMEOUT_RMT			
31		+B_POSTAMBLE_RMT			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_22V					
Group : Bidirectional/General/					
Purpose : Verify that the IUT detects the receipt of the last N392 STATUS ENQUIRY messages with invalid receive sequence number and sets the active bit to 0 for the affected PVC's. Standard Ref.: A.4.4, A.5.1					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+SET_ONE_PVC_RMT			
2		(Event := 0)			
3	L1	[NOT(Event = N392B)]			
4		(Event := Event + 1)			
5		+INCR_SN(SSN)			
6		L!Status_Enquiry	SQ_V2(SSN, RSN)		
7		+INCR_SN(SSN_RMT)			
8		+INCR_SN(RSN_RMT)			
9		LRMT!Status_Enquiry	SQ_V2(SSN_RMT, RSN_RMT)		(1)
10		START T391			
11	L2	L?Status(RSN := Status.link_integrity_verification.send_seq)	ST_V14(?, SSN, D, active)		
12	L3	LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_seq)	ST_V14(?, SSN_RMT, DRMT, active)		
13		+B_T391TIMEOUT			
14		GOTO L1			
15		+B_UNEXPECTED_RMT			
16		GOTO L3			
17		+INV_BEH			
18		LRMT?Status(RSN := Status.link_integrity_verification.send_seq)	ST_V14(?, SSN_RMT, DRMT, active)		
19	L4	L?Status(RSN_RMT := Status.link_integrity_verification.send_seq)	ST_V14(?, SSN, D, active)		
20		+B_T391TIMEOUT			
21		GOTO L1			
22		+B_UNEXPECTED_RMT			
23		GOTO L4			
24		+INV_BEH			
25		+B_UNEXPECTED_RMT			
26		GOTO L2			
27		+INV_BEH			
28		[Event = N392B]			
29		+INCR_SN(SSN)			
30		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
31		START T391			

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
32	L5	L?Status(RSN := Status.link_integrity_verification.se nd_seq)	ST_V14(?, SSN, D, inactive)	(P)	
33		+B_T391TIMEOUT_RMT			
34		+B_POSTAMBLE_RMT			
35		+B_UNEXPECTED_RMT			
36		GOTO L5			
37		+INV_BEH			
		INV_BEH			
38		?TIMEOUT T391		(F)	
39		+B_POSTAMBLE_RMT			
40		L?OTHERWISE		(F)	
41		+B_T391TIMEOUT_RMT			
42		+B_POSTAMBLE_RMT			
43		LRMT?OTHERWISE		(F)	
44		+B_T391TIMEOUT_RMT			
45		+B_POSTAMBLE_RMT			
Detailed Comments : (1) STATUS ENQUIRY with an invalid receive sequence number					

Test Case Dynamic Behaviour					
Test Case Name : B_23V					
Group : Bidirectional/General/					
Purpose : Verify that the PVC status IE in the STATUS message sent by the IUT are in ascending order. Standard Ref.: A.1.1 Note 3					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		+SET_ONE_PVC			
3		<IUT!Mgmt>	PVC_ADD		
4		START Topr			
5	L1	+INCR_SN(SSN)			
6		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
7		START T391			
8	L2	L?Status[BIT_TO_INT(DLCI_VALUE(Status.pvc_status.[0])) < BIT_TO_INT(DLCI_VALUE(Status.pvc_status.[1]))](RSN := Status.link_integrity_verification.end_seq) CANCEL Topr	ST_V16(?, SSN)	(P)	(1)
9		+B_T391TIMEOUT			
10		+B_POSTAMBLE			
11		L?Status(RSN := Status.link_integrity_verification.end_seq)	ST_V14(?, SSN, D, ?)		
12		<IUT!Mgmt>	PVC_ADD		
13		+B_T391ToprTIMEOUT			
14		GOTO L1			
15		+B_UNEXPECTED			
16		<IUT!Mgmt>	PVC_ADD		
17		GOTO L2			
18		?TIMEOUT T391		(F)	
19		+B_POSTAMBLE			
20		?TIMEOUT Topr		(I)	
21		+B_T391TIMEOUT			
22		+B_POSTAMBLE			
23		L?OTHERWISE		(F)	
24		+B_T391TIMEOUT			
25		+B_POSTAMBLE			
Detailed Comments : (1) STATUS ENQUIRY with two PVC status IE with DLCIs in ascending order					

Test Case Dynamic Behaviour					
Test Case Name : B_04N Group : Bidirectional/Error/ Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type (LIV IE contains an invalid receive sequence number) with a STATUS message. Standard Ref.: A.6, A.5.1 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_Enquiry (N := N + 1)	SQ_V1(SSN,'00'O)		
4		START T391			
5	L1	L?Status (RSN := Status.link_integrity_verification.send_ seq)	ST_V1(?,SSN)	(P)	RT=LIV only
6		+B_T391TIMEOUT			
7		+B_POSTAMBLE			
8		L?Status (RSN := Status.link_integrity_verification.send_ seq)	ST_V9(?,SSN)	(P)	RT=Full status
9		+B_T391TIMEOUT			
10		+B_POSTAMBLE			
11		+B_UNEXPECTED			
12		GOTO L1			
13		?TIMEOUT T391		(F)	
14		+B_POSTAMBLE			
15		L?OTHERWISE		(F)	
16		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_05N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores a STATUS ENQUIRY w/ link integrity verification onlyreport type containing a protocol discrimination error. Standard Ref.: A.6					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status_Enquiry (N := N + 1)	SQ_N1(INVAL_SSN,RSN)		
5		START T391			
6	L1	?TIMEOUT T391		(P)	
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		L?OTHERWISE		(F)	
11		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_06N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores a STATUS ENQUIRY w/ link integrity verification onlyreport containing a call reference other than the dummy call reference. Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status_Enquiry (N := N + 1)	SQ_N2(INVAL_SSN,RSN)		
5		START T391			
6	L1	?TIMEOUT T391		(P)	
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		L?OTHERWISE		(F)	
11		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_07N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores a message too short. Standard Ref.: A.6					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+B0_PREAMBLE	SQ_N3	(P)	
2		L!Status_Enquiry (N := N + 1)			
3		START T391			
4		?TIMEOUT T391			
5		+B_POSTAMBLE			
6		+B_UNEXPECTED			
7		GOTO L1			
8		L?OTHERWISE			
9		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_08N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores an unrecognized message (invalid message type). The remainder of the message appears as valid STATUS ENQUIRY w/ link integrity verification only report type. Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+B0_PREAMBLE	SQ_N4(INVAL_SSN,RSN)	(P)	
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status_Enquiry (N := N + 1)			
5		START T391			
6		?TIMEOUT T391			
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		L?OTHERWISE			
11		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_09N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores a STATUS ENQUIRY message w/ full status report type containing an out of sequence IE (report type) or responds with a full STATUS message. Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		[IE_Out_Of_Seq]			
3		+INCR_SN(SSN)			
4		L!Status_Enquiry_RT0os (N := 1)	SQ_N5(SSN,RSN)		
5		START T391			
6	L1	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(? ,SSN)	(P)	
7		+B_T391TIMEOUT			
8		+B_POSTAMBLE			
9		+B_UNEXPECTED			
10		GOTO L1			
11		?TIMEOUT T391		(F)	
12		+B_POSTAMBLE			
13		L?OTHERWISE		(F)	
14		+B_POSTAMBLE			
15		[NOT (IE_Out_Of_Seq)]			
16		(INVAL_SSN := SSN)			
17		+INCR_SN(INVAL_SSN)			
18		L!Status_Enquiry_RT0os (N := 1)	SQ_N5(INVAL_SSN,RSN)		
19		START T391			
20	L2	?TIMEOUT T391		(P)	
21		+B_POSTAMBLE			
22		+B_UNEXPECTED			
23		GOTO L2			
24		L?OTHERWISE		(F)	
25		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_10N Group : Bidirectional/Error/ Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ link integrity verification only report type containing a duplicate IE (LIV). The proper IUT response is a STATUS message. Standard Ref.: A.6, A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_Enquiry_LIVrep (N := N + 1)	SQ_N6(SSN,RSN)		
4		START T391			
5	L1	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V1(?,SSN)	(P)	RT=LIV only
6		+B_T391TIMEOUT			
7		+B_POSTAMBLE			
8		L?Status (RSN := Status.link_integrity_verification.send_seq, N := 1)	ST_V9(?,SSN)	(P)	RT=Full status
9		+B_T391TIMEOUT			
10		+B_POSTAMBLE			
11		+B_UNEXPECTED			
12		GOTO L1			
13		?TIMEOUT T391		(F)	
14		+B_POSTAMBLE			
15		L?OTHERWISE		(F)	
16		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_11N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type containing a duplicate IE (report type). The proper IUT response is a STATUS message w/ full status report type. Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status_Enquiry_RTrep (N := 1)	SQ_N7(SSN,RSN)		
4		START T391			
5	L1	L?Status (RSN := Status.link_integrity_verification.send_ seq)	ST_V9(? ,SSN)	(P)	RT=Full status
6		+B_T391TIMEOUT			
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		?TIMEOUT T391		(F)	
11		+B_POSTAMBLE			
12		L?OTHERWISE		(F)	
13		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour						
Test Case Name : B_12N Group : Bidirectional/Error/ Purpose : Verify that the IUT responds to a STATUS ENQUIRY w/ full status report type containing an unrecognized IE. The proper IUT response is a STATUS message w/ full status report type. Standard Ref.: A.6, A.5 Configuration : Default : Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+B0_PREAMBLE	SQ_N8(SSN,RSN)	(P)	RT=Full status	
2		+INCR_SN(SSN)				
3		L!Status_Enquiry_LIVrep (N := 1)				
4		START T391				
5		L?Status (RSN := Status.link_integrity_verification.send_seq)				
6		+B_T391TIMEOUT				
7		+B_POSTAMBLE				
8		+B_UNEXPECTED				
9		GOTO L1				
10		?TIMEOUT T391				(F)
11		+B_POSTAMBLE				
12		L?OTHERWISE				(F)
13		+B_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour						
Test Case Name : B_13N Group : Bidirectional/Error/ Purpose : Verify that the IUT ignores STATUS ENQUIRY containing a mandatory IE missing (report type). The remainder of the message appears as a link integrity verification only report type. Standard Ref.: A.6, A.5 Configuration : Default : Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	+B1_PREAMBLE	SQ_N9(INVAL_SSN,RSN)	(P)		
2		(INVAL_SSN := SSN)				
3		+INCR_SN(INVAL_SSN)				
4		L!Status_Enquiry (N := N + 1)				
5		START T391				
6		?TIMEOUT T391				
7		+B_POSTAMBLE				
8		+B_UNEXPECTED				
9		GOTO L1				
10		L?OTHERWISE				(F)
11		+B_POSTAMBLE				
Detailed Comments :						

Test Case Dynamic Behaviour					
Test Case Name : B_14N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores STATUS ENQUIRY w/ full status report type containing a mandatory IE missing (link integrity verification). Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		L!Status_Enquiry (N := N + 1)	SQ_N10		
3		START T391			
4	L1	?TIMEOUT T391		(P)	
5		+B_POSTAMBLE			
6		+B_UNEXPECTED			
7		GOTO L1			
8		L?OTHERWISE		(F)	
9		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_15N					
Group : Bidirectional/Error/					
Purpose : Verify that the IUT ignores STATUS ENQUIRY containing a mandatory IE content error (report type). Standard Ref.: A.6, A.5					
Configuration :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status_Enquiry (N := N + 1)	SQ_N11(INVAL_SSN,RSN)		
5		START T391			
6	L1	?TIMEOUT T391		(P)	
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		L?OTHERWISE		(F)	
11		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_16N Group : Bidirectional/Error/ Purpose : Verify that the IUT ignores STATUS ENQUIRY w/ full status report type containing a mandatory IE content error (link integrity verification IE with length = 1 and missing its receive sequence number). Standard Ref.: A.6, A.5 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+B1_PREAMBLE	SQ_N12(INVAL_SSN)		
2		(INVAL_SSN := SSN)			
3		+INCR_SN(INVAL_SSN)			
4		L!Status_Enquiry (N := 1)			
5		START T391			
6		?TIMEOUT T391			
7		+B_POSTAMBLE			
8		+B_UNEXPECTED			
9		GOTO L1			
10		L?OTHERWISE			
11		+B_POSTAMBLE			
Detailed Comments :					

Test Case Dynamic Behaviour					
Test Case Name : B_19V Group : Bidirectional/System/ Purpose : Verify that the IUT increments the send sequence counter in the network-to-user direction modulo 256 but skips 0. Standard Ref.: A.4.2 Configuration : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B1_PREAMBLE			
2		REPEAT B_RESPONSE UNTIL [RSN = 'FF'0]			
3		+B_RESPONSE			
4		[RSN = '00'0]			
5		+B_POSTAMBLE			
6		[NOT (RSN = '00'0)]			
7		+B_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B0_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring the IUT in state S0 – TE ready to exchange Layer 3 messages, service affecting condition cleared, and IUT waiting for a STATUS ENQUIRY message					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(SSN := '00'O, RSN := '00'O, N := 1, Event := 0, D := '0000000000'B)			
2	L1	[Event = N393B]			
3		[NOT (Event = N393B)]			
4		+B_RESPONSE			
5		(Event := Event + 1)			
6		GOTO L1			
Detailed Comments : Before the execution of this test step, the device should be powered up and the Frame Relay interface of CPE enabled.					

Test Step Dynamic Behaviour					
Test Step Name : B0_PREAMBLE_RMT					
Group : Preamble/					
Objective : Procedure to bring the IUT in state S0 – TE ready to exchange Layer 3 messages, service affecting condition cleared, and IUT waiting for a STATUS ENQUIRY message					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(SSN := '00'O, RSN := '00'O, SSN_RMT := '00'O, RSN_RMT := '00'O, N := 1, Event := 0)			
2	L1	[Event = N393B]			
3		[NOT (Event = N393B)]			
4		+B_RESPONSE_RMT			
5		(Event := Event + 1)			
6		GOTO L1			
Detailed Comments : Before the execution of this test step, the device should be powered up and the Frame Relay interface of CPE enabled.					

Test Step Dynamic Behaviour					
Test Step Name : B1_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring the IUT in state S1 – TE waiting for STATUS ENQUIRY message w/ link integrity verification only report type					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE			
2		[N < N391B]			
3		[N = N391B]			
4		+B_RESPONSE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PS0_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring the IUT in state S0 – TE ready to exchange Layer 3 messages and service affecting condition cleared					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(SSN := '00'O, RSN := '00'O, N := 1, Event := 1)			
2		+P_SYNCH			
3	L1	[Event = N393]			
4		[NOT (Event = N393)]			
5		+P_POLLING			
6		(Event := Event + 1)			
7		GOTO L1			
Detailed Comments : Before the execution of this test step, the device should be powered up and the Frame Relay interface of CPE enabled.					

Test Step Dynamic Behaviour					
Test Step Name : PS1_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring IUT in state S1 – Wait for a STATUS ENQUIRY w/ full statusreport type					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS0_PREAMBLE			
2	L1	START T392			
3	L2	L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := 1) CANCEL T392	SQ_V2(?,SSN)		RT=Full status
4		L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := N + 1) CANCEL T392	SQ_V1(?,SSN)		RT=LIV only
5		+INCR_SN(SSN)			
6		L!Status	ST_V1(SSN,RSN)		
7		GOTO L1			
8		?TIMEOUT T392		(I)	
9		+P_POSTAMBLE			
10		+P_UNEXPECTED			
11		GOTO L2			
12		L?OTHERWISE		(F)	
13		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PS20_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring IUT in state S20 – Wait for Timer T391 to time out and N <N391					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS30_PREAMBLE			
2		+INCR_SN(SSN)			
3		L!Status	ST_V1(SSN,RSN)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PS21_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring IUT in state S21 – Wait for Timer T391 to time out and N =N391					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS0_PREAMBLE			
2		[N = N391]			
3		[NOT (N = N391)]			
4		REPEAT P_POLLING UNTIL [N = N391]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PS30_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring IUT in state S3 – Wait for a STATUS ENQUIRY w/ link integrity verification only report type (N < N391)					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS0_PREAMBLE			
2	L1	START T392			
3	L2	L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := N + 1) CANCEL T392	SQ_V1(?,SSN)		RT=LIV only
4		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.s end_seq, N := 1) CANCEL T392	SQ_V2(?,SSN)		RT=Full status
5		+INCR_SN(SSN)			
6		L!Status	ST_V5(SSN,RSN)		
7		GOTO L1			
8		?TIMEOUT T392		(I)	
9		+P_POSTAMBLE			
10		+P_UNEXPECTED			
11		GOTO L2			
12		L?OTHERWISE		(F)	
13		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PS31_PREAMBLE					
Group : Preamble/					
Objective : Procedure to bring IUT in state S3 – Wait for a STATUS ENQUIRY w/ link integrity verification only report type and N = N391					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PS0_PREAMBLE			
2		[N = N391 – 1]			
3		[NOT (N = N391 – 1)]			
4	L1	REPEAT P_POLLING UNTIL [N = N391 – 1]			
5		START T392			
6	L2	L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.send_seq, N := N + 1) CANCEL T392	SQ_V1(? ,SSN)		RT=LIV only
7		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.send_seq, N := 1) CANCEL T392	SQ_V2(? ,SSN)		RT=Full status
8		+INCR_SN(SSN)			
9		L!Status	ST_V5(SSN,RSN)		
10		GOTO L1			
11		?TIMEOUT T392		(I)	
12		+P_POSTAMBLE			
13		+P_UNEXPECTED			
14		GOTO L2			
15		L?OTHERWISE		(F)	
16		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_VERIFICATION					
Group : Verification/					
Objective : Perform the periodic polling procedure once to insure that IUT's receive sequence number matches tester's send sequence number.					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	START T392			
2		L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.send_seq, N := N + 1) CANCEL T392	SQ_V1(?,SSN)	(P)	RT=LIV only
3		+INCR_SN(SSN)			
4		L!Status	ST_V1(SSN,RSN)		
5		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.send_seq, N := 1) CANCEL T392	SQ_V2(?,SSN)	(P)	RT=Full status
6		+INCR_SN(SSN)			
7		L!Status	ST_V5(SSN,RSN)		
8		+P_UNEXPECTED			
9		GOTO L1			
10		?TIMEOUT T392			(F)
11		+P_POSTAMBLED			
12		L?OTHERWISE			(F)
13		+P_POSTAMBLED			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RESPONSE					
Group : Miscellaneous/					
Objective : Perform the response procedure					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+INCR_SN(SSN)			
2		L!Status_Enquiry (N := 1)	SQ_V2(SSN,RSN)		RT=Full status
3		START T391			
4		L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(?,SSN)		
5		+B_T391TIMEOUT			
6		+B_UNEXPECTED			
7		GOTO L1			
8		?TIMEOUT T391			(F)
9		+B_POSTAMBLED			
10		L?OTHERWISE			(F)
11		+B_T391TIMEOUT			
12		+B_POSTAMBLED			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RESPONSE_RMT					
Group : Miscellaneous/					
Objective : Perform the response procedure					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+INCR_SN(SSN)			
2		L!Status_Enquiry (N := 1)	SQ_V2(SSN,RSN)		RT=Full status
3		+INCR_SN(SSN_RMT)			
4		LRMT!Status_Enquiry	SQ_V2(SSN_RMT,RSN_RMT)		RT=Full status
5		START T391			
6	L1	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(?,SSN)		
7	L2	LRMT?Status (RSN_RMT := Status.link_integrity_verification.send_seq)	ST_V9(?,SSN_RMT)		
8		+B_T391TIMEOUT_RMT			
9		+B_UNEXPECTED_RMT			
10		GOTO L2			
11		+INV_BEH			
12		LRMT?Status (RSN_RMT := Status.link_integrity_verification.send_seq)	ST_V9(?,SSN_RMT)		
13	L3	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(?,SSN)		
14		+B_T391TIMEOUT_RMT			
15		+B_UNEXPECTED_RMT			
16		GOTO L3			
17		+INV_BEH			
18		+B_UNEXPECTED_RMT			
19		GOTO L1			
20		+INV_BEH			
21		INV_BEH ?TIMEOUT T391		(F)	
22		+B_POSTAMBLE_RMT			
23		L?OTHERWISE		(F)	
24		+B_T391TIMEOUT_RMT			
25		+B_POSTAMBLE_RMT			
26		LRMT?OTHERWISE		(F)	
27		+B_T391TIMEOUT_RMT			
28		+B_POSTAMBLE_RMT			
Detailed Comments :					

Test Step Dynamic Behaviour						
Test Step Name : B_T391TIMEOUT						
Group : Miscellaneous/						
Objective : T391 timeout						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	?TIMEOUT T391				
2		+B_UNEXPECTED				
3		?TIMEOUT T391				
4		+B_UNEXPECTED				
5		GOTO L1				
6		L?OTHERWISE			(F)	
7		+B_POSTAMBLE				
8		L?OTHERWISE			(F)	
9		+B_POSTAMBLE				
Detailed Comments :						

Test Step Dynamic Behaviour						
Test Step Name : B_T391TIMEOUT_RMT						
Group : Miscellaneous/						
Objective : T391 timeout – handle both the local and remote interfaces						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	?TIMEOUT T391				
2		+B_UNEXPECTED_RMT				
3		?TIMEOUT T391				
4		+B_UNEXPECTED_RMT				
5		GOTO L1				
6		L?OTHERWISE			(F)	
7		+B_POSTAMBLE_RMT				
8		LRMT?OTHERWISE			(F)	
9		+B_POSTAMBLE_RMT				
10		L?OTHERWISE			(F)	
11		+B_POSTAMBLE_RMT				
12		LRMT?OTHERWISE			(F)	
13		+B_POSTAMBLE_RMT				
Detailed Comments :						

Test Step Dynamic Behaviour						
Test Step Name : B_T391ToprTIMEOUT						
Group : Miscellaneous/						
Objective : Wait for timer T391 to time out; if timer Topr times out, then fail						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	?TIMEOUT T391				
2		+B_UNEXPECTED				
3		?TIMEOUT T391				
4		+B_UNEXPECTED				
5		GOTO L1				
6		?TIMEOUT Topr			(I)	
7		+B_POSTAMBLE				
8		L?OTHERWISE			(F)	
9		+B_POSTAMBLE				
10		?TIMEOUT Topr			(I)	
11		+B_POSTAMBLE				
12		L?OTHERWISE			(F)	
13		+B_POSTAMBLE				
Detailed Comments :						

Test Step Dynamic Behaviour						
Test Step Name : B_T391ToprTIMEOUT_RMT						
Group : Miscellaneous/						
Objective : T391 timeout – handle both the local and remote interfaces						
Default :						
Comments :						
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments	
1	L1	?TIMEOUT T391				
2		+B_UNEXPECTED_RMT				
3		?TIMEOUT T391				
4		+B_UNEXPECTED_RMT				
5		GOTO L1				
6		?TIMEOUT Topr			(I)	
7		+B_POSTAMBLE_RMT				
8		L?OTHERWISE			(F)	
9		+B_POSTAMBLE_RMT				
10		LRMT?OTHERWISE			(F)	
11		+B_POSTAMBLE_RMT				
12		?TIMEOUT Topr			(I)	
13		+B_POSTAMBLE_RMT				
14		L?OTHERWISE			(F)	
15		+B_POSTAMBLE				
16		LRMT?OTHERWISE			(F)	
17		+B_POSTAMBLE_RMT				
Detailed Comments :						

Test Step Dynamic Behaviour					
Test Step Name : B_UNEXPECTED					
Group : Miscellaneous/					
Objective : Procedure to handle all acceptable unexpected messages					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L?Status_Enquiry	SQ_V1(?,?)		RT=LIV only
2		L?Status_Enquiry	SQ_V2(?,?)		RT=Full status
3		L?Status	ST_V10		RT=PVC asynch.
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_UNEXPECTED_RMT					
Group : Miscellaneous/					
Objective : Procedure to handle all acceptable unexpected messages on both the local and remote interfaces					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L?Status_Enquiry	SQ_V1(?,?)		RT=LIV only
2		L?Status_Enquiry	SQ_V2(?,?)		RT=Full status
3		L?Status	ST_V10		RT=PVC asynch.
4		LRMT?Status_Enquiry	SQ_V1(?,?)		RT=LIV only
5		LRMT?Status_Enquiry	SQ_V2(?,?)		RT=Full status
6		LRMT?Status	ST_V10		RT=PVC asynch.
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : INCR_SN(SN:OCTETSTRING)					
Group : Miscellaneous/					
Objective : Increment sequence number modulo 256 (skip 0).					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(SN := INT_TO_OCT((OCT_TO_INT(SN) + 1) MOD 256,1))			
2		[SN = '00'O] (SN := '01'O)			
3		[NOT (SN = '00'O)]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_POLLING					
Group : Miscellaneous/					
Objective : Perform the periodic polling procedure					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T392			
2	L1	L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.se nd_seq, N := N + 1) CANCEL T392	SQ_V1(?,SSN)		RT=LIV only
3		+INCR_SN(SSN)			
4		L!Status	ST_V1(SSN,RSN)		
5		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.se nd_seq, N := 1) CANCEL T392	SQ_V2(?,SSN)		RT=Full status
6		+INCR_SN(SSN)			
7		L!Status	ST_V5(SSN,RSN)		
8		+P_UNEXPECTED			
9		GOTO L1			
10		?TIMEOUT T392		(F)	
11		+P_POSTAMBLE			
12		L?OTHERWISE		(F)	
13		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_SYNCH Group : Miscellaneous/ Objective : Perform the periodic polling procedure (on first poll, do not check content of IUT's receive sequence number) Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	START T392			
2		L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.se	SQ_V1(?,?)		RT=LIV only
3		nd_seq, N := N + 1) CANCEL T392			
4		+INCR_SN(SSN)			
5		L!Status	ST_V1(SSN,RSN)		RT=Full status
6		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.se	SQ_V2(?,?)		
7		nd_seq, N := 1) CANCEL T392			
8		+INCR_SN(SSN)			
9		L!Status	ST_V5(SSN,RSN)		
10		+P_UNEXPECTED			(F)
11		GOTO L1			
12		?TIMEOUT T392			(F)
13		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_TIMEOUT					
Group : Miscellaneous/					
Objective : Time out until the IUT sends a STATUS ENQUIRY message.					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T392			
2	L1	L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.se nd_seq, N := N + 1) CANCEL T392	SQ_V1(? ,SSN)		RT=LIV only
3		(Event := Event + 1)			
4		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.se nd_seq, N := 1) CANCEL T392	SQ_V2(? ,SSN)		RT=Full status
5		(Event := Event + 1)			
6		+P_UNEXPECTED			
7		GOTO L1			
8		?TIMEOUT T392		(F)	
9		+P_POSTAMBLE			
10		L?OTHERWISE		(F)	
11		+P_POSTAMBLE			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_UNEXPECTED					
Group : Miscellaneous/					
Objective : Procedure to handle all acceptable unexpected messages					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[FALSE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SET_ONE_PVC					
Group : Miscellaneous/					
Objective : Procedure to set up one and only one PVC in the PVC table					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+CONFIG_PVC_SEGMENT			
2		START Topr			
3	L1	+INCR_SN(SSN)			
4		L!Status_Enquiry(N := 1)	SQ_V2(SSN, RSN)		
5		START T391			
6	L2	L?Status(D := DLCI_VALUE(Status.pvc_status.[0]) , RSN := Status.link_integrity_verification.send _seq) CANCEL Topr	ST_V12(?, SSN)		
7		+B_T391TIMEOUT			
8		L?Status(RSN := Status.link_integrity_verification.send _seq)	ST_V9(?, SSN)		
9		+CONFIG_PVC_SEGMENT			
10		+B_T391ToprTIMEOUT			
11		GOTO L1			
12		?TIMEOUT T391		(F)	
13		+B_POSTAMBLE			
14		?TIMEOUT Topr		(I)	
15		+B_POSTAMBLE			
16		+B_UNEXPECTED			
17		+CONFIG_PVC_SEGMENT			
18		GOTO L2			
19		L?OTHERWISE		(F)	
20		+B_POSTAMBLE			
		CONFIG_PVC_SEGMENT			
21		<IUT!Mgmt>	PVC_CLEAR		
22		<IUT!Mgmt>	PVC_ADD		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : SET_ONE_PVC_RMT					
Group : Miscellaneous/					
Objective : Procedure to set up one and only one two-segment PVC (local and remote interfaces)					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+B0_PREAMBLE_RMT			
2		START Topr			
3		+CONFIG_PVC_SEGMENT			
4	L1	+POLL			
5	L1a	L?Status[D = '000000000'B] (RSN := Status.link_integrity_verification.send_ seq, D := DLCI_VALUE(Status.pvc_status.[0]))	ST_V12(?, SSN)		(1)
6	L2	LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_ _seq, DRMT := DLCI_VALUE(Status.pvc_status.[0])) CANCEL Topr	ST_V12(?, SSN_RMT)	(P)	(1)
7		+B_T391TIMEOUT_RMT			
8		LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_ _seq)	ST_V9(?, SSN_RMT)		
9		[DRMT = '000000000'B]			
10		+CONFIG_PVC_SEGMENT			
11		+B_T391ToprTIMEOUT_RMT			
12		GOTO L1			
13		[NOT(DRMT = '000000000'B)]		(P)	
14		CANCEL Topr			
15		+B_T391TIMEOUT_RMT			
16		+B_UNEXPECTED_RMT			
17		+CONFIG_PVC_SEGMENT			
18		GOTO L2			
19		+INV_BEH			
20		L?Status(RSN := Status.link_integrity_verification.send_ seq)	ST_V9(?, SSN)		
21	L3	LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_ _seq, DRMT := DLCI_VALUE(Status.pvc_status.[0]))	ST_V12(?, SSN_RMT)		(1)
22		[D = '000000000'B]			
23		+CONFIG_PVC_SEGMENT			
24		+B_T391ToprTIMEOUT_RMT			
25		GOTO L1			
26		[NOT(D = '000000000'B)]		(P)	
27		CANCEL Topr			
28		+B_T391TIMEOUT_RMT			
29		LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_ _seq)	ST_V9(?, SSN_RMT)		
30		+CONFIG_PVC_SEGMENT			

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
31		+B_T391ToprTIMEOUT_RMT			
32		GOTO L1			
33		+B_UNEXPECTED_RMT			
34		+CONFIG_PVC_SEGMENT			
35		GOTO L3			
36		+INV_BEH			
37		LRMT?Status[DRMT = '000000000'B] (RSN_RMT := Status.link_integrity_verification.send_ seq, DRMT := DLCI_VALUE(Status.pvc_status.[0]))	ST_V12(?, SSN_RMT)		(1)
38	L4	L?Status(RSN := Status.link_integrity_verification.send_ _seq, D := DLCI_VALUE(Status.pvc_status.[0])) CANCEL Topr	ST_V12(?, SSN)	(P)	(1)
39		+B_T391TIMEOUT_RMT			
40		L?Status(RSN := Status.link_integrity_verification.send_ _seq)	ST_V9(?, SSN)		
41		[D = '000000000'B]			
42		+CONFIG_PVC_SEGMENT			
43		+B_T391ToprTIMEOUT_RMT			
44		GOTO L1			
45		[NOT(D = '000000000'B)]		(P)	
46		CANCEL Topr			
47		+B_T391TIMEOUT_RMT			
48		+B_UNEXPECTED_RMT			
49		+CONFIG_PVC_SEGMENT			
50		GOTO L4			
51		+INV_BEH			
52		LRMT?Status(RSN_RMT := Status.link_integrity_verification.send_ seq)	ST_V9(?, SSN_RMT)		
53	L5	L?Status(RSN := Status.link_integrity_verification.send_ _seq, D := DLCI_VALUE(Status.pvc_status.[0]))	ST_V12(?, SSN)		(1)
54		[DRMT = '000000000'B]			
55		+CONFIG_PVC_SEGMENT			
56		+B_T391ToprTIMEOUT_RMT			
57		GOTO L1			
58		[NOT(DRMT = '000000000'B)]		(P)	
59		CANCEL Topr			
60		+B_T391TIMEOUT_RMT			
61		L?Status(RSN := Status.link_integrity_verification.send_ _seq)	ST_V9(?, SSN)		
62		+CONFIG_PVC_SEGMENT			
63		+B_T391ToprTIMEOUT_RMT			

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
64		GOTO L1			
65		+B_UNEXPECTED_RMT			
66		+CONFIG_PVC_SEGMENT			
67		GOTO L5			
68		+INV_BEH			
69		+B_UNEXPECTED_RMT			
70		+CONFIG_PVC_SEGMENT			
71		GOTO L1a			
72		+INV_BEH			
		CONFIG_PVC_SEGMENT			
73		<IUT!Mgmt>	PVC_SEG_CLEAR		
74		<IUT!Mgmt>	PVC_SEG_ADD		
		POLL			
75		+INCR_SN(SSN)			
76		L!Status_Enquiry	SQ_V2(SSN, RSN)		
77		+INCR_SN(SSN_RMT)			
78		LRMT!Status_Enquiry	SQ_V2(SSN_RMT, RSN_RMT)		
79		START T391			
		INV_BEH			
80		?TIMEOUT T391		(F)	
81		+B_POSTAMBLE_RMT			
82		?TIMEOUT Topr		(I)	
83		+B_T391TIMEOUT_RMT			
84		+B_POSTAMBLE_RMT			
85		L?OTHERWISE		(F)	
86		+B_POSTAMBLE_RMT			
87		LRMT?OTHERWISE		(F)	
88		+B_POSTAMBLE_RMT			

Detailed Comments : (1) STATUS w/ full status report type and exactly one PVC status IE

Test Step Dynamic Behaviour					
Test Step Name : B_POSTAMBLE					
Group : Postamble/					
Objective : Postamble for the bidirectional network procedure					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+INCR_SN(SSN)			
2		L!Status_Enquiry [N < N391B] (N := N + 1)	SQ_V1(SSN,RSN)		RT=LIV only
3		START T391			
4	L1	L?Status (RSN := Status.link_integrity_verification.send_se q) CANCEL T391	ST_V1(?,SSN)	R	
5		L?Status (RSN := Status.link_integrity_verification.send_se q) CANCEL T391	ST_V9(?,SSN)	R	
6		+B_UNEXPECTED			
7		GOTO L1			
8		?TIMEOUT T391		F	
9		L?OTHERWISE		F	
10		L!Status_Enquiry [NOT (N < N391B)] (N := 1)	SQ_V2(SSN,RSN)		RT=Full status
11		START T391			
12	L2	L?Status (RSN := Status.link_integrity_verification.send_se q)	ST_V9(?,SSN)	R	
13		+B_UNEXPECTED			
14		GOTO L2			
15		?TIMEOUT T391		F	
16		L?OTHERWISE		F	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_POSTAMBLE_RMT					
Group : Postamble/					
Objective : Postamble for the bidirectional network procedure – local and remote interfaces					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+INCR_SN(SSN)			
2		L!Status_Enquiry	SQ_V2(SSN, RSN)		RT=full status
3		+INCR_SN(SSN_RMT)			
4		LRMT!Status_Enquiry	SQ_V2(SSN_RMT, RSN_RMT)		
5		START T391			
6	L1	L?Status (RSN := Status.link_integrity_verification.send_seq)	ST_V9(?, SSN)		
7	L2	LRMT?Status (RSN_RMT := Status.link_integrity_verification.send_seq) CANCEL T391	ST_V9(?, SSN_RMT)	R	
8		+B_UNEXPECTED_RMT			
9		GOTO L2			
10		+INV_BEH			
11		LRMT?Status (RSN_RMT := Status.link_integrity_verification.send_seq)	ST_V9(?, SSN_RMT)		
12	L3	L?Status (RSN := Status.link_integrity_verification.send_seq) CANCEL T391	ST_V9(?, SSN)	R	
13		+B_UNEXPECTED_RMT			
14		GOTO L3			
15		+INV_BEH			
16		+B_UNEXPECTED_RMT			
17		GOTO L1			
18		+INV_BEH			
		INV_BEH			
19		?TIMEOUT T391		F	
20		L?OTHERWISE		F	
21		LRMT?OTHERWISE		F	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : P_POSTAMBLE					
Group : Postamble/					
Objective : Postamble for the polling procedure					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T392			
2	L1	L?Status_Enquiry [N < N391] (RSN := Status_Enquiry.link_integrity_verification.sequence_number, N := N + 1) CANCEL T392	SQ_V1(?,SSN)		RT=LIV only
3		+INCR_SN(SSN)			
4		L!Status	ST_V1(SSN,RSN)	R	
5		L?Status_Enquiry (RSN := Status_Enquiry.link_integrity_verification.sequence_number, N := 1) CANCEL T392	SQ_V2(?,SSN)		RT=Full status
6		+INCR_SN(SSN)			
7		L!Status	ST_V5(SSN,RSN)	R	
8		+P_UNEXPECTED			
9		GOTO L1			
10		?TIMEOUT T392		F	
11		L?OTHERWISE		F	
Detailed Comments :					