

Superseded by a more recent version



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.787

(03/93)

SPECIFICATIONS OF SIGNALLING SYSTEM No. 7

**TRANSACTION CAPABILITIES (TC)
TEST SPECIFICATION**

ITU-T Recommendation Q.787

Superseded by a more recent version

(Previously "CCITT Recommendation")

Superseded by a more recent version

FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation Q.787 was prepared by the ITU-T Study Group XI (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

NOTES

1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

In order not to delay publication of this Recommendation, no change has been made in the text to references containing the acronyms "CCITT, CCIR or IFRB" or their associated entities such as Plenary Assembly, Secretariat, etc. Future editions of this Recommendation will contain the proper terminology related to the new ITU structure.

2 In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

© ITU 1994

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the ITU.

Superseded by a more recent version

CONTENTS

	<i>Page</i>
1 Introduction	1
2 Objectives of the test specification.....	1
3 Scope	1
4 General principles of test.....	2
5 Test environment.....	2
5.1 Signalling Relation	2
5.2 Configuration.....	2
6 Background traffic	2
7 Test list	3
7.1 TC Transaction sublayer test specification	3
7.2 TC Component Sublayer test specification.....	115

Superseded by a more recent version

Recommendation Q.787

TRANSACTION CAPABILITIES (TC) TEST SPECIFICATION

(Helsinki, 1993)

1 Introduction

This Recommendation contains a detailed set of tests for the SS No. 7 Transaction Capabilities (TC). These tests are intended to validate the protocol specified in Recommendations Q.771 to Q.774. This Recommendation conforms to *Blue Book* (1988) which describes the basic rules for a test specification, as specified in Recommendation Q.780.

2 Objectives of the test specification

The objective of the test specification is to provide:

Validation – A level of confidence that a given implementation conforms to the *Blue Book* (1988) Recommendations Q.771 to Q.774 for SS No. 7 TC.

Compatibility – A level of confidence that two implementations of SS No. 7 TC are able to interwork.

The following criteria have been used in the generation of this test specification:

- 1) the test specification does not provide exhaustive testing of all aspects of the SS No. 7 TC;
- 2) all tests are of a practical nature and implementable using the available technology;
- 3) the test list concentrates on the testing of normal signalling procedures. Testing of abnormal signalling procedures are only identified where this is regarded as particularly useful;
- 4) the test list does not include any tests which are application specific. These tests should be contained in application specific testing documentation and are outside the scope of this test specification.

3 Scope

The test scripts are divided into two sections, 7.1 transaction sublayer (TSL) and 7.2 the component sublayer (CSL) tests. Most TSL and CSL functions are dependent on each other and will need to be performed together. The division between TSL and CSL is for clarification and understanding only and does not imply an implementation.

This test specification is designed to verify the TCAP functionality by testing TCAP messages and their contents. Performance aspects such as the limits of numbers of transactions ID's are not taken into account in this test specification.

Some tests in this Recommendation require the generation of primitives, therefore when performing these tests, appropriate normal system actions of the TCAP user will have to be chosen which result in the indicated primitive being generated.

The testing of primitives is outside the scope of this Recommendation. Both messages and primitives are shown in the expected message sequence diagrams as indicated below, but primitives are shown for ease of understanding only.

=====> = PRIMITIVE

-----> = MESSAGE

Superseded by a more recent version

The test description provides a guide for the correct interpretation and implementation of the test, but it does not constrain its realisation. In particular, any reference to the internal structure of the Implementation Under Test (IUT), such as confirmation of internal states of the TC state machines, is given for clarification only and its practical realisation can be application dependent or vary from one test to another. All questions and checks in the test description should be answered “YES” for correct operation.

Throughout the test specification, mention is made of “state machines”. This specification conceptual model is used in Recommendation Q.774 to aid understanding. It does not imply an implementation, even when the test script asks for the state to be confirmed at the end of some tests.

Possible methods of ensuring that the software has returned to the required state are enumerated in the “Guidance” 7.1.1 and 7.2.1.

The test specification is independent of any specific application, or implementation.

4 General principles of test

The tests are described as “Validation” or “Validation and Compatibility” tests. Each test script indicates in the “Type of Test” field, whether the test is “VAT” (Validation) or “VAT and CPT” (Validation and Compatibility).

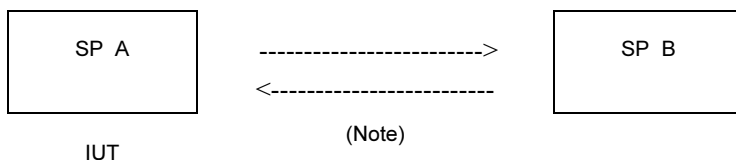
5 Test environment

5.1 Signalling Relation

A stable signalling relation is required between “SP A” and “SP B” in order to test TCAP effectively. A tested network service layer, e.g. MTP and SCCP signalling relation, should be used for compatibility tests.

5.2 Configuration

Only one configuration is required to perform the tests given in the proposed test list, as shown in Figure 1:



NOTE – The arrows indicate a signalling relation.

FIGURE 1/Q.787

Configuration: 1

6 Background traffic

These tests do not take into account any level of background traffic.

Superseded by a more recent version

7 Test list

The test list categories are given in the following subclauses.

7.1 TC Transaction sublayer test specification

7.1.1 Guidance on performing transaction sublayer tests

For each test, the expected message sequence, a test description and a check table for Information Elements (IE) within messages are given.

In the expected message sequence, primitives are shown at SP A [Implementation Under Test (IUT) side] only.

The function of the check table is to provide the contents of both the initiating message and the expected results in order to perform the checks in the test descriptions. The check table for IE within messages does not include information on the Component Portion or the User Abort Information IE contents, which are dependent on a specific application. In the check tables, messages from the IUT are described using the short form for any IE length, except for 1.1.3.1.1 which tests the length variations. However different forms complying with 3.3/Q.773 may be used in any test.

In order to test for pre and post test results such as the state machines being in the idle state, the following procedure is suggested:

- Send a Continue to the IUT with the identical destination transaction ID (of a transaction that should be idle) and expect an Abort with unrecognized transaction ID cause value. This indicates that the state machine is in the idle state. If the Continue is accepted by the IUT and it gives a correct response, it was in the initiation sent state.

NOTE - The details of these confirmation tests are implementation dependant.

7.1.2 Transaction sublayer tests

NDA No Details Available

FFS For Further Study

* Validation and Compatibility

All other tests are Validation Only.

1 Transaction sublayer

1.1 Valid function

1.1.1 Unstructured Dialogue

* 1.1.1.1 Tested side sending

* 1.1.1.2 Tested side receiving

1.1.2 Structured Dialogue

1.1.2.1 Clearing before subsequent Message

1.1.2.1.1 Valid clearing from initiating side

* 1) Prearranged ending

* 2) Abort by the TR-User

1.1.2.1.2 Valid clearing from responding side

1.1.2.1.2.1 IUT Sending

* 1) Basic ending

* 2) Prearranged ending

* 3) Abort by the TR-User

1.1.2.1.2.2 IUT Receiving

* 1) Abort by the TR-User

2) Abort by Transaction Sublayer

* 3) Basic ending

Superseded by a more recent version

- 1.1.2.2 Clearing after Continue Message
 - 1.1.2.2.1 Valid clearing from initiating side
 - 1.1.2.2.1.1 IUT Sending
 - 1) Basic ending
 - 2) Prearranged ending
 - 3) Abort by the TR-User
 - 1.1.2.2.1.2 IUT Receiving
 - 1) Basic ending
 - 2) Abort by the Transaction Sublayer
 - 3) Abort by the TR-User
 - 1.1.2.2.2 Valid clearing from responding side
 - 1.1.2.2.2.1 IUT Sending
 - 1) Basic ending
 - 2) Prearranged ending
 - 3) Abort by the TR-User
 - 1.1.2.2.2.2 IUT Receiving
 - 1) Basic ending
 - 2) Abort by the Transaction Sublayer
 - 3) Abort by the TR-User
 - 1.1.2.3 Clearing after Continue Message (Component Portion Not Present)
 - 1.1.2.3.1 Basic Ending IUT Sending
 - 1.1.2.3.2 Basic Ending IUT Receiving
 - 1.1.2.4 Message Exchange After Transaction Established
 - 1.1.2.4.1 IUT initiating
 - 1.1.2.4.2 IUT receiving
 - 1.1.2.5 TC Addressing
(For Further Study)
- 1.1.3 Encoding and value variations
 - 1.1.3.1 Encoding variations
 - 1.1.3.1.1 Length variations
 - 1.1.3.1.1.1 Definite short
 - 1) Component portion length in definite short form embedded in short form
 - 2) Component portion length in definite short form embedded in long form
 - 1.1.3.1.1.2 Definite long
 - 1) Component portion length in definite long form embedded in long form
 - 1.1.3.1.1.3 Indefinite form
 - 1) Component portion length in indefinite form embedded in indefinite form
 - 1.1.3.1.2 Value variations
 - 1.1.3.1.2.1 Transaction ID
 - 1) Length is one octet
 - 2) Length is four octets
- 1.2 Syntactically Invalid Behaviour
 - 1.2.1 Invalid values for information elements
 - 1.2.1.1 Begin Message Type
 - 1) OTID length = 0
 - 2) OTID length > four octets

Superseded by a more recent version

- 1.2.1.2 First Continue Message
 - 1) DTID length = 0
- 1.2.1.3 Subsequent Continue Message
 - 1) Component portion length incorrect
- 1.2.1.4 End Message
 - 1) DTID length > four octets
- 1.2.1.5 Abort Message
 - 1) Invalid P-Abort cause value
 - 2) P-Abort cause length incorrect
- 1.2.2 Invalid structure
 - 1.2.2.1 Unidirectional Message Type
 - 1) Unknown information element present
 - 1.2.2.2 Begin Message Type
 - 1) OTID absent
 - 2) Unknown information element present
 - 1.2.2.3 First Continue Message
 - 1) OTID absent
 - 2) DTID absent
 - 1) OTID duplicated
 - 2) DTID duplicated
 - 5) Unknown information element present
 - 1.2.2.4 Subsequent Continue Message
 - 1) OTID absent
 - 2) Unknown information element present
 - 1.2.2.5 End Message
 - 1) DTID absent
 - 1.2.2.6 Abort Message
 - 1) DTID absent
 - 1.2.2.7 Unknown Message
 - 1) OTID not included
 - 2) OTID included and DTID not included
 - 3) OTID included and DTID included
- 1.2.3 Invalid encoding (i.e. Rec. X.209 BER violation)
 - 1.2.3.1 Begin Message Type
 - 1) Invalid tag
 - 1.2.3.2 Continue Message Type
 - 1) Invalid tag
- 1.3 Incorporate Messages
 - 1.3.1 Continue Message Type
 - 1) Receipt of Continue message in Idle state with unassigned DTID
 - 1.3.2 End Message Type
 - 1) Receipt of End message in Idle state
 - 1.3.3 Abort Message Type
 - 1) Receipt of Abort message in Idle state
- 1.4 Multiple Transaction Encoding
 - 1.4.1 Valid Transaction Encoding
 - 1) New transaction request during transaction establishment
 - 2) New transaction request after transaction establishment
 - 1.4.2 Inopportune Messages
 - 1) Message with unassigned DTID during transaction establishment
 - 2) Message with unassigned DTID after transaction establishment

Superseded by a more recent version

TEST NUMBER: 1.1.1.1		Sheet: 1 of 1
REFERENCE: 3.3.3.1.1/Q.774		
TITLE: Valid Function; Unstructured Dialogue		
SUBTITLE: Tested side sending		
PURPOSE: To verify that signalling point A is able to correctly send a Unidirectional message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>TR-UNI req.</i></p> <p>=====></p> <p>UNIDIRECTIONAL -----></p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Unidirectional message from SP A to SP B.	
2.	CHECK A: WAS THE UNIDIRECTIONAL MESSAGE CORRECTLY SENT FROM SP A?	
3.	CHECK B: WAS THE TSL STATE MACHINE ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>UNIDIRECTIONAL</p> <p>Message type tag: 01100001</p> <p>Message type length: correct number of octets</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p>		

Superseded by a more recent version

TEST NUMBER: 1.1.1.2		Sheet: 1 of 1
REFERENCE: 3.3.3.1.2/Q.774		
TITLE: Valid Function; Unstructured Dialogue		
SUBTITLE: Tested side receiving		
PURPOSE: To verify that signalling point A is able to correctly receive a Unidirectional message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div><div>SP A (TSL)</div><div>SP B (TSL)</div><div><----- UNIDIRECTIONAL</div><div>TR-UNI ind. <=====</div></div>		
TEST DESCRIPTION		
1.	Send a Unidirectional message from SP B to SP A.	
2.	CHECK A: WAS THE UNIDIRECTIONAL MESSAGE CORRECTLY RECEIVED AT SP A?	
3.	CHECK B: WAS THE TSL STATE MACHINE ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
UNIDIRECTIONAL		
Message type tag: 01100001		
Message type length: correct number of octets		
Component portion tag: 01101100		
Component portion length: correct number of octets		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.1 1)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from initiating side; Prearranged ending		
PURPOSE: To verify that signalling point A is able to correctly send a Begin message and then terminate the transaction locally by the “prearranged end” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div>SP B (TSL)</div><div><div>TR-BEGIN req.</div><div>=====></div></div><div><div>BEGIN</div><div>-----></div></div><div><div>TR-END req.</div><div>=====></div></div><div>(Prearranged)</div></div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B.	
2.	Before a reply is received from SP B, arrange for a TR-END request primitive (prearranged) to be passed to the TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT AN END MESSAGE WAS NOT SENT BY SP A?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.1 2)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from initiating side; Abort by the TR-User		
PURPOSE: To verify that signalling point A is able to correctly generate a Begin message and then terminate the transaction locally by the “abort” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div>SP B (TSL)</div><div><div>TR-BEGIN req.</div><div>=====></div></div><div><div>BEGIN</div><div>-----></div></div><div><div>TR-U-ABORT req.</div><div>=====></div></div></div>		
TEST DESCRIPTION		
<div>1.</div> <div>2.</div> <div>3.</div> <div>4.</div> <div>5.</div> <div>6.</div>	<div>Send a Begin message from SP A to SP B.</div> <div>Before a reply is received from SP B, arrange for a TR-U-ABORT request primitive to be passed to the TSL at SP A.</div> <div>CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?</div> <div>CHECK B: WAS THE TR-U-ABORT REQUEST PURELY LOCAL AT SP A?</div> <div>CHECK C: VERIFY THAT NO ABORT MESSAGE WAS SENT FROM SP A?</div> <div>CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?</div>	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.1 1)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Sending; Basic ending		
PURPOSE: To verify that signalling point A is able to receive a Begin message and then terminate the transaction by the “basic end” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> \leftarrow</p> <p><i>TR-END req.</i> \Rightarrow</p> <p><i>(Basic)</i></p> <p>END</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP B to SP A.	
2.	On receipt of BEGIN indication arrange for a TR-END request primitive (basic) to be passed to the TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.1 2)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Sending; Prearranged ending		
PURPOSE: To verify that the signalling point A is able to receive a Begin message and then terminate the transaction by the "prearranged end" method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>(Prearranged)</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>BEGIN</p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP B to SP A.	
2.	On receipt of the BEGIN indication arrange for a TR-END request primitive (prearranged) to be passed to the TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
4.	CHECK B: VERIFY THAT AN END MESSAGE WAS NOT SENT BY SP A?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.1 3)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Sending; Abort by the TR-User		
PURPOSE: To verify that the signalling point A is able to receive a Begin message and then terminate the transaction by the “abort” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div><div><div>TR-BEGIN ind.</div><div><=====</div><div>TR-U-ABORT req.</div><div>=====></div></div><div>ABORT (U)</div></div><div><div>SP B (TSL)</div><div><div>BEGIN</div><div><-----</div><div>-----></div></div></div></div>		
TEST DESCRIPTION		
<div>1.</div> <div>2.</div> <div>3.</div> <div>4.</div> <div>5.</div> <div>6.</div>	<div>Send a Begin message from SP B to SP A.</div> <div>On receipt of the BEGIN indication arrange for a TR-U-ABORT request primitive to be passed to the TSL at SP A.</div> <div>CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?</div> <div>CHECK B: WAS AN ABORT MESSAGE CORRECTLY SENT BY SP A?</div> <div>CHECK C: WAS THE DTID IN THE ABORT MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?</div> <div>CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?</div>	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>ABORT (U)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div> <div>(OTID value received in BEGIN message)</div> <div>User abort information tag: 01101011</div> <div>User abort information length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.2 1)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Receiving; Abort by the TR-User		
PURPOSE: To verify that the signalling point A is able to terminate a transaction on reception of an Abort (U) message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div><div>SP A (TSL)</div><div><i>TR-BEGIN req.</i> =====></div><div>BEGIN</div><div><i>TR-U-ABORT ind.</i> <=====</div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div>ABORT (U)</div></div></div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B.	
2.	Arrange for SP B to send an U-Abort message to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>ABORT (U)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div> <div>(OTID value received in BEGIN message)</div> <div>User abort information tag: 01101011</div> <div>User abort information length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.2 2)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Receiving; Abort by Transaction Sublayer		
PURPOSE: To verify that the signalling point A is able to terminate a transaction on reception of an Abort (P) message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div><div>SP A (TSL)</div><div><u>TR-BEGIN req.</u> =></div><div>BEGIN</div><div><u>TR-P-ABORT ind.</u> <=====</div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div>SP B (TSL)</div></div><div><div></div><div></div><div></div><div>ABORT (P)</div></div></div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B.	
2.	Arrange for SP B to send an P-Abort message to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>ABORT (P)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</div> <div>P-Abort cause tag: 01001010</div> <div>P-Abort cause length: one octet</div> <div>P-Abort cause value: INTEGER (between 0 and 4)</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.1.2.2.3)		Sheet: 1 of 1
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing before subsequent Message; Valid clearing from responding side; IUT Receiving; Basic ending		
PURPOSE: To verify that the signalling point A is able to terminate a transaction on reception of an END message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div><i>TR-BEGIN req.</i> =====></div><div>BEGIN</div><div><i>TR-END ind.</i> <=====</div></div> <div><div>SP B (TSL)</div><div></div><div>END</div></div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B.	
2.	Arrange for SP B to send an End message to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010 Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100 Component portion length: correct number of octets</div> <div>END</div> <div>Message type tag: 01100100 Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</div> <div>Component portion tag: 01101100 Component portion length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 1)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Sending, Basic ending		
PURPOSE: To verify that the signalling point A is able to terminate the transaction by the “basic end” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>TR-CONTINUE ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>(Basic)</p> <p>END</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B. Arrange for SP B to respond with a Continue message	
2.	On receipt of the CONTINUE indication arrange for a TR-END request primitive (basic) to be passed to the TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED BY THE TSL AT SP A?	
5.	CHECK C: WAS THE END MESSAGE CORRECTLY SENT BY SP A?	
6.	CHECK D: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE CONTINUE MESSAGE?	
7.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 2)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Sending, Prearranged ending		
PURPOSE: To verify that signalling point A is able to terminate the transaction by the “prearranged end” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>TR-CONTINUE ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>(Prearranged)</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>-----<</p> <p>CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B. Arrange for SP B to respond with a Continue message	
2.	On receipt of the CONTINUE indication arrange for a TR-END request primitive (prearranged) to be passed to the TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK C: VERIFY THAT THE TR-END REQUEST PRIMITIVE WAS PURELY LOCAL AND THAT AN END MESSAGE WAS NOT GENERATED AND SENT BY SP A?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 3)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Sending, Abort by the TR-User		
PURPOSE: To verify that the signalling point A is able to terminate the transaction by the “abort” method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i> =====></p> <p>BEGIN -----></p> <p><i>TR-CONTINUE ind.</i> <=====</p> <p><i>TR-U-ABORT req.</i> =====></p> <p>ABORT (U) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B. Arrange for SP B to respond with a Continue message	
2.	On receipt of the CONTINUE indication arrange for a TR-U-ABORT request primitive to be passed to TSL at SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY SENT BY SP A?	
6.	CHECK D: WAS THE DTID IN THE ABORT MESSAGE THE SAME AS THE OTID IN THE CONTINUE MESSAGE?	
7.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.1 3)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>User abort information tag: 01101011 User abort information length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 1)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1.2/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Receiving, Basic ending		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction on reception of an End message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> <=====</p> <p><i>TR-CONTINUE req.</i> =====></p> <p>CONTINUE</p> <p><i>TR-END ind.</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> <p>END</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to respond with a Continue message.	
3.	Arrange for SP B to respond with an End message.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
6.	CHECK C: WAS THE END MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 2)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1.2/Q.774 and 3.3.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Receiving, Abort by the TSL		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction on reception of an Abort message by the peer TSL		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> <=====</p> <p><i>TR-CONTINUE req.</i> =====></p> <p>CONTINUE</p> <p><i>TR-P-ABORT ind.</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> <p>ABORT (P)</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to respond with a Continue message.	
3.	Arrange for SP B to respond with an Abort (P) message.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
6.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: INTEGER (0 ... 4)</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 3)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1.2/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Receiving, Abort by the TR-User		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction on reception of an Abort message by the peer TR-User		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> <=====</p> <p><i>TR-CONTINUE req.</i> =====></p> <p>CONTINUE</p> <p><i>TR-U-ABORT ind.</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> <p>ABORT (U)</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to respond with a Continue message.	
3.	Arrange for SP B to respond with an Abort (U) message.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
6.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1.2 3)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (U)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>User abort information tag: 01101011 User abort information length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.1 1)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from responding side, IUT Sending, Basic ending		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction by the "basic end" method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> \leftarrow</p> <p><i>TR-CONTINUE req.</i> \Rightarrow</p> <p>CONTINUE</p> <p><i>TR-END req.</i> \Rightarrow (Basic)</p> <p>END</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to respond with a Continue message.	
3.	Terminate the transaction with an End (Basic) message from SP A.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT BY THE TSL AT SP A?	
6.	CHECK C: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
7.	CHECK D: WAS THE DTID IN THE CONTINUE AND END MESSAGES THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
8.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.1 2)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from responding side, IUT Sending, Prearranged ending		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction by the "prearranged end" method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i> =====</p> <p><i>TR-CONTINUE req.</i> =====></p> <p>CONTINUE</p> <p><i>TR-END req.</i> =====> (Prearranged)</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to respond with a Continue message.	
3.	Terminate the transaction with a TR-END request primitive (prearranged) from SP A.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT BY THE TSL AT SP A?	
6.	CHECK C: VERIFY THAT THE TR-END REQUEST PRIMITIVE WAS PURELY LOCAL AND THAT AN END MESSAGE WAS NOT GENERATED AND SENT BY SP A?	
7.	CHECK D: WAS THE DTID IN THE CONTINUE MESSAGE THE SAME AS THE OTID IN THE BEGIN?	
8.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.1 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.1 3)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774, 3.3.3.2.2/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid Function; Structured Dialogue		
SUBTITLE: Clearing after Continue Message; Valid clearing from initiating side, IUT Sending, Abort by the TR-User		
PURPOSE: To verify that signalling point A is able to generate a Continue message and then terminate the transaction by the "abort" method		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CP	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div>SP B (TSL)</div> <div> <div> <div>TR-BEGIN ind.</div> <div><=====</div> </div> <div> <div>TR-CONTINUE req.</div> <div>=====></div> </div> <div> <div>CONTINUE</div> <div>-----></div> </div> <div> <div>TR-U-ABORT req.</div> <div>=====></div> </div> <div> <div>ABORT (U)</div> <div>-----></div> </div> <div>BEGIN</div> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for a Begin message to be sent from SP B to SP A.	
2.	Arrange for SP A to respond with a Continue message, then abort the transaction by passing a TR-U-ABORT request primitive to the TSL at SP B.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
4.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY SENT FROM SP A?	
6.	CHECK D: WAS THE DTID IN THE CONTINUE AND ABORT MESSAGES THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
7.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.1 3)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>User abort information tag: 01101011 User abort information length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.2 1)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.3/Q.774		
TITLE: Valid Function; Structured dialogue		
SUBTITLE: Clearing after Continue message; Valid clearing from responding side; IUT receiving; Basic ending		
PURPOSE: To verify that the signalling point A is able to terminate the transaction on reception of an End message following a Continue message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div> <i>TR-BEGIN req.</i> =====> </div> <div>BEGIN</div> <div>-----></div> <div> <div><-----</div> <div>CONTINUE</div> </div> <div> <i>TR-CONTINUE ind.</i> <===== </div> <div> <div><-----</div> <div>END</div> </div> <div> <i>TR-END ind.</i> <===== </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to respond with a Continue message.	
3.	Terminate the transaction with an End (basic) message from SP B.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK C: WAS THE END MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.2 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.2.2.2)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.4/Q.774		
TITLE: Valid function; Structured dialogue		
SUBTITLE: Clearing after Continue message; Valid clearing from initiating side; IUT receiving; Abort by theTSL		
PURPOSE: To verify that the signalling point A is able to terminate the transaction on reception of an Abort (P) message following a Continue message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div> <i>TR-BEGIN req.</i> =====> </div> <div>BEGIN</div> <div>-----></div> <div> <div><-----</div> <div>CONTINUE</div> </div> <div> <i>TR-CONTINUE ind.</i> <===== </div> <div> <div><-----</div> <div>ABORT (P)</div> </div> <div> <i>TR-P-ABORT ind.</i> <===== </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to respond with a Continue message.	
3.	Terminate the transaction with an Abort (P) message from SP B.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.2 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: INTEGER (0 .. 4)</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.3)		Sheet: 1 of 2
REFERENCE: 3.3.3.2.1/Q.774 and 3.3.3.2.4/Q.774		
TITLE: Valid function; Structured dialogue		
SUBTITLE: Clearing after Continue message; Valid clearing from responding side; IUT receiving; Abort by theTR-User		
PURPOSE: To verify that the signalling point A is able to terminate the transaction on reception of an Abort (U) message following a Continue message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div> <i>TR-BEGIN req.</i> =====> </div> <div> BEGIN <div>-----></div> <div> <----- </div> </div> <div> <i>TR-CONTINUE ind.</i> <===== </div> <div> <div> <----- </div> <div> CONTINUE </div> </div> <div> <i>TR-U-ABORT ind.</i> <===== </div> <div> <div> <----- </div> <div> ABORT (U) </div> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to respond with a Continue message.	
3.	Terminate the transaction with an Abort (U) message from SP B.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK C: WAS THE ABORT MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.2.2.2 3)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (U)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>User abort information tag: 01101011 User abort information length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.3.1		Sheet: 1 of 2
REFERENCE: Q.774		
TITLE: Valid function; Structured dialogue		
SUBTITLE: Clearing after Continue message (component portion not present); Basic ending IUT sending		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>TR-CONTINUE ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>END</p> <p>-----></p> </div> <div> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a Continue message to SP A without CP.	
3.	Arrange for SP A to send an End message to SP B	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK C: WAS THE END MESSAGE CORRECTLY SENT FROM SP A?	
7.	CHECK D: WAS THE TSL STATE MACHINE LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.3.1	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.3.2		Sheet: 1 of 2																					
REFERENCE: 3.2.1.3/Q.774																							
TITLE: Valid function; Structured dialogue																							
SUBTITLE: Clearing after Continue message (component portion not present); Basic ending IUT receiving																							
PURPOSE: To verify that SP A is able to accept a Begin message without CP																							
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are in the idle state																							
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																					
<p>EXPECTED MESSAGE SEQUENCE:</p> <table><thead><tr><th>SP A (TSL)</th><th></th><th>SP B (TSL)</th></tr></thead><tbody><tr><td></td><td><-----</td><td>BEGIN</td></tr><tr><td><i>TR-BEGIN ind.</i> =====</td><td></td><td></td></tr><tr><td><i>TR-CONTINUE req.</i> =====</td><td></td><td></td></tr><tr><td></td><td>-----></td><td>CONTINUE</td></tr><tr><td></td><td><-----</td><td>END</td></tr><tr><td><i>TR-END ind.</i> =====</td><td></td><td></td></tr></tbody></table>			SP A (TSL)		SP B (TSL)		<-----	BEGIN	<i>TR-BEGIN ind.</i> =====			<i>TR-CONTINUE req.</i> =====				----->	CONTINUE		<-----	END	<i>TR-END ind.</i> =====		
SP A (TSL)		SP B (TSL)																					
	<-----	BEGIN																					
<i>TR-BEGIN ind.</i> =====																							
<i>TR-CONTINUE req.</i> =====																							
	----->	CONTINUE																					
	<-----	END																					
<i>TR-END ind.</i> =====																							
TEST DESCRIPTION																							
1.	Arrange for SP B to send a BEGIN message to SP A without CP.																						
2.	Arrange for SP A to send a CONTINUE messenger to SP B.																						
3.	Arrange for SP B to send an END message to SP A without CP.																						
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?																						
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?																						
6.	CHECK C: WAS THE END MESSAGE CORRECTLY RECEIVED AT SP A?																						
7.	CHECK E: WAS THE TSL STATE MACHINE LEFT IN THE IDLE STATE AT SP A?																						

Superseded by a more recent version

TEST NUMBER: 1.1.2.3.2	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.4.1		Sheet: 1 of 2
REFERENCE: 3.2.1.3/Q.774		
TITLE: Valid function; Structured dialogue		
SUBTITLE: Message exchange after transaction Established; IUT initiating		
PURPOSE: To verify the correct message flow between SP A and SP B, after transaction established (IUT initiating)		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div> <i>TR-BEGIN req.</i> =====> </div> <div>BEGIN</div> <div>-----></div> <div><-----</div> <div>CONTINUE</div> <div> <i>TR-CONTINUE ind.</i> <===== </div> <div> <i>TR-CONTINUE req.</i> =====> </div> <div>CONTINUE</div> <div>-----></div> <div><-----</div> <div>END</div> <div> <i>TR-END ind.</i> <===== </div> <div>SP B (TSL)</div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a Continue message to SP A.	
3.	Arrange for SP A to send a Continue message to SP B.	
4.	Arrange for SP B to send an END message to SP A.	
5.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
6.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
7.	CHECK C: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
8.	CHECK D: WAS THE END MESSAGE CORRECTLY RECEIVED AT SP A?	
9.	CHECK E: WAS THE TSL STATE MACHINE LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.4.1	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: 0 (invalid length) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: 0 (invalid length) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: 0 (invalid length) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.4.2		Sheet: 1 of 2
REFERENCE: 3.2.1.3/Q.774		
TITLE: Valid function; Structured dialogue		
SUBTITLE: Message exchange after transaction established; IUT receiving		
PURPOSE: To verify the correct message flow between SP A and SP B, after transaction established (IUT receiving)		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div> <div>SP A (TSL)</div> <div>SP B (TSL)</div> <div> <div> <div>TR-BEGIN ind.</div> <div><=====</div> </div> <div> <div>TR-CONTINUE req.</div> <div>=====></div> </div> <div> <div>CONTINUE</div> <div>-----></div> </div> <div> <div>TR-CONTINUE ind.</div> <div><=====</div> </div> <div> <div>TR-END req.</div> <div>=====></div> </div> <div> <div>END</div> <div>-----></div> </div> </div> <div> <div>BEGIN</div> <div>CONTINUE</div> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A.	
2.	Arrange for SP A to send a Continue message to SP B.	
3.	Arrange for SP B to send a Continue message to SP A.	
4.	Arrange for SP A to send an END message to SP B.	
5.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY SENT FROM SP A?	
7.	CHECK C: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
8.	CHECK D: WAS THE END MESSAGE CORRECTLY SENT FROM SP A?	
9.	CHECK E: WAS THE TSL STATE MACHINE LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.2.4.2	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: 0 (invalid length) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets (range 1-4) Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets (range 1-4) Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.2.5	Sheet: 1 of 1
REFERENCE:	
TITLE: TC Addressing (For Further Study)	

TEST NUMBER: 1.1.3.1.1.1 1)		Sheet: 1 of 2
REFERENCE: 3.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Encoding variations; Length variations; Definite short; Component portion length in definite short form embedded in short form		
PURPOSE: To verify that signalling point A is able to accept a Begin message whose length is encoded using the definite short form and with a component portion whose length is encoded using the definite short form		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div></div>		

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets coded in definite short form</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: one octet Originating transaction ID value: OCTET STRING (1 octet)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets coded in definite short form</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: one octet Destination transaction ID value: OCTET STRING (1 octet) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.1 2)		Sheet: 1 of 2
REFERENCE: 3.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Encoding variations; Length variations; Definite short; Component portion length in definite short form embedded in long form		
PURPOSE: To verify that signalling point A is able to accept a Begin message whose length is encoded using the definite long form and with a component portion whose length is encoded using the definite short form		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>(Basic)</p> <p>END</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A with lengths encoded as described in the purpose of the test.	
2.	Arrange for SP A to respond with an End message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.1 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets coded in definite long form</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: one octet Originating transaction ID value: OCTET STRING (1 octet)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets coded in definite short form</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: one octet Destination transaction ID value: OCTET STRING (1 octet) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.2 1)		Sheet: 1 of 2
REFERENCE: 3.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Encoding variations; Length variations; Definite long; Component portion length in definite long form embedded in long form		
PURPOSE: To verify that signalling point A is able to accept a Begin message whose length is encoded using the definite long form and with a component portion whose length is encoded using the definite long form		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p style="margin-top: 100px;"><i>TR-BEGIN ind.</i></p> <p style="margin-top: 10px;"><i>TR-END req.</i></p> <p style="margin-top: 10px;"><i>(Basic)</i></p> <p style="margin-top: 10px;">END</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A with lengths encoded as described in the purpose of the test.	
2.	Arrange for SP A to respond with an End message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.2 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets coded in definite long form</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: one octet Originating transaction ID value: OCTET STRING (1 octet)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets coded in definite long form</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: one octet Destination transaction ID value: OCTET STRING (1 octet) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.3 1)		Sheet: 1 of 2
REFERENCE: 3.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Encoding variations; Length variations; Indefinite form; Component portion length in indefinite form embedded in indefinite form		
PURPOSE: To verify that signalling point A is able to accept a Begin message whose length is encoded using the indefinite form and with a component portion whose length is encoded using the indefinite form		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i></p> <p><=====</p> <p><i>TR-END req.</i></p> <p>=====></p> <p>(Basic)</p> <p>END</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A with lengths encoded as described in the purpose of the test.	
2.	Arrange for SP A to respond with an End message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.3.1.1.3 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets coded in indefinite form</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: one octet Originating transaction ID value: OCTET STRING (1 octet)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets coded in indefinite form Component contents provided by TC user</p> <p>EOC Tag: 00000000, Length: 00000000</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: one octet Destination transaction ID value: OCTET STRING (1 octet) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.3.2.1 1)		Sheet: 1 of 2
REFERENCE: 5.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Value variations; Transaction ID; Length is one octet		
PURPOSE: To verify that signalling point A is able to deal with correct encoding of OTID information element (1 octet long)		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div><div>SP A (TSL)</div><div>SP B (TSL)</div><div><div><div></div><div><div>TR-BEGIN ind.</div><div><=====</div></div><div><div>TR-END req.</div><div>=====></div></div><div>(Basic)</div><div>END</div></div><div><div></div><div>BEGIN</div><div></div></div></div></div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A with an OTID 1 octet long.	
2.	Arrange for SP A to respond with an End message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.3.2.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: one octet Originating transaction ID value: OCTET STRING (1 octet)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: one octet Destination transaction ID value: OCTET STRING (1 octet) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.1.3.2.1 2)		Sheet: 1 of 2
REFERENCE: 5.3/Q.774		
TITLE: Valid function; Encoding and value variations		
SUBTITLE: Value variations; Transaction ID; Length is four octets		
PURPOSE: To verify that signalling point A is able to deal with correct encoding of OTID information element (4 octets long)		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN ind.</i></p> <p><u><=====</u></p> <p><i>TR-END req.</i></p> <p><u>=====></u></p> <p>(Basic)</p> <p>END</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>BEGIN</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send a Begin message to SP A with an OTID four octets long.	
2.	Arrange for SP A to respond with an End message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A AND PASSED TO THE TR-USER?	
4.	CHECK B: WAS AN END MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK C: WAS THE DTID IN THE END MESSAGE THE SAME AS THE OTID IN THE BEGIN MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.1.3.2.1 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: four octets Originating transaction ID value: OCTET STRING (4 octets)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: four octets Destination transaction ID value: OCTET STRING (4 octets) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.1.1 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: Begin message type; OTID length = 0		
PURPOSE: To verify that on receipt of a corrupted Begin message, signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the Begin message contains an OTID length of 0		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>:Detect syntax error</i></p> </div> <div style="text-align: center;"> <p><-----</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>BEGIN</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the corrupted Begin message to SP A, with an OTID length of 0.	
2.	CHECK A: THAT THE USER WAS NOT INFORMED OF THE BEGIN MESSAGE.	
3.	CHECK B: WERE NO MESSAGES SENT FROM SP A?	
4.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: 0 Originating transaction ID value: not present</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>		

Superseded by a more recent version

TEST NUMBER: 1.2.1.1 2)		Sheet: 1 of 1						
REFERENCE: 3.3.4/Q.774								
TITLE: Syntactically invalid behavior; Invalid values for information elements								
SUBTITLE: Begin message type; OTID length > four octets								
PURPOSE: To verify that signalling point A is able to deal with invalid encoding of OTID information element								
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the Begin message contains an OTID length of > four octets								
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP						
<p>EXPECTED MESSAGE SEQUENCE:</p> <table border="0"> <tr> <td>SP A (TSL)</td> <td></td> <td>SP B (TSL)</td> </tr> <tr> <td>:Detect syntax error</td> <td><-----</td> <td>BEGIN</td> </tr> </table>			SP A (TSL)		SP B (TSL)	:Detect syntax error	<-----	BEGIN
SP A (TSL)		SP B (TSL)						
:Detect syntax error	<-----	BEGIN						
TEST DESCRIPTION								
1.	Arrange for SP B to send the corrupted Begin message to SP A, with an OTID five octets long.							
2.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?							
3.	CHECK B: VERIFY THAT THE TR-USER AT SP A WAS NOT INFORMED OF THIS EVENT.							
4.	CHECK C: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE BEGIN MESSAGE.							
5.	CHECK C: WERE ALL TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?							
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES								
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: five octets Originating transaction ID value: OCTET STRING (5 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>								

Superseded by a more recent version

TEST NUMBER: 1.2.1.2 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: First Continue message DTID length = 0		
PURPOSE: To verify that on receipt of a corrupted Continue message, with DTID length = 0, SP A is able to discard the message or abort the transaction correctly		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the first Continue message contains a DTID of length = 0		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i> =====></p> <p>BEGIN -----></p> <p><i>:Detect syntax error</i> <-----</p> <p>ABORT (P) (see Note) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div> <p>NOTE – If the Abort is not sent this may be valid behavior depending on the implementation.</p>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send the corrupted Continue message.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER AT SP A WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A.	
5.	CHECK C: WERE THE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION PRIOR TO THE CONTINUE MESSAGE LEFT IN INITIATION SENT STATE ?	
6.	CHECK D: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND P-ABORT CAUSE VALUE?	

Superseded by a more recent version

TEST NUMBER: 1.2.1.2 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.1.3 1)		Sheet: 1 of 2																																	
REFERENCE: 3.3.4/Q.774																																			
TITLE: Syntactically invalid behavior; Invalid values for information elements																																			
SUBTITLE: Subsequent Continue message; Component portion length incorrect																																			
PURPOSE: To verify that on receipt of a corrupted Continue message with OTID derivable and DTID derivable and assigned, after transaction establishment, SP A is able to abort the transaction																																			
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state																																			
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																																	
<p>EXPECTED MESSAGE SEQUENCE:</p> <table> <tr> <td>SP A (TSL)</td><td></td><td>SP B (TSL)</td></tr> <tr> <td><i>TR-BEGIN req.</i></td><td></td><td></td></tr> <tr> <td><u>=====</u>></td><td></td><td></td></tr> <tr> <td>BEGIN</td><td>-----></td><td></td></tr> <tr> <td></td><td><-----</td><td>CONTINUE</td></tr> <tr> <td><i>TR-CONTINUE Ind.</i></td><td></td><td></td></tr> <tr> <td><u><=====</u></td><td></td><td></td></tr> <tr> <td><i>:Detect error</i></td><td><-----</td><td>CONTINUE</td></tr> <tr> <td>ABORT (P) (see Note)</td><td>-----></td><td></td></tr> <tr> <td><i>TR-P-ABORT ind.</i></td><td></td><td></td></tr> <tr> <td><u><=====</u></td><td></td><td></td></tr> </table> <p>NOTE – If the Abort is not sent this may be valid behavior depending on the implementation.</p>			SP A (TSL)		SP B (TSL)	<i>TR-BEGIN req.</i>			<u>=====</u> >			BEGIN	----->			<-----	CONTINUE	<i>TR-CONTINUE Ind.</i>			<u><=====</u>			<i>:Detect error</i>	<-----	CONTINUE	ABORT (P) (see Note)	----->		<i>TR-P-ABORT ind.</i>			<u><=====</u>		
SP A (TSL)		SP B (TSL)																																	
<i>TR-BEGIN req.</i>																																			
<u>=====</u> >																																			
BEGIN	----->																																		
	<-----	CONTINUE																																	
<i>TR-CONTINUE Ind.</i>																																			
<u><=====</u>																																			
<i>:Detect error</i>	<-----	CONTINUE																																	
ABORT (P) (see Note)	----->																																		
<i>TR-P-ABORT ind.</i>																																			
<u><=====</u>																																			
TEST DESCRIPTION																																			
1.	Send a Begin message from SP A to SP B.																																		
2.	Arrange for SP B to send a correct Continue message to SP A.																																		
3.	Arrange for SP B to send a corrupted Continue message to SP A (incorrect CP length).																																		
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?																																		
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?																																		
6.	CHECK C: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND P-ABORT CAUSE VALUE?																																		
7.	CHECK D: IF THE ABORT WAS SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?																																		

Superseded by a more recent version

TEST NUMBER: 1.2.1.3 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE (1st)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE (2nd)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: badly formatted transaction portion 00000010</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.1.4 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: End message; DTID length > four octets		
PURPOSE: To verify that on receipt of a corrupted End message, SP A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the End message DTID length > four octets		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div><i>TR-BEGIN req.</i> =====></div><div>BEGIN</div><div>:Detect error</div></div> <div><div>SP B (TSL)</div><div></div><div>END</div></div>		
TEST DESCRIPTION		
1.	Arrange for SP A to Send a Begin message to SP B.	
2.	Arrange for SP B to send a corrupted End message to SP A (invalid DTID length).	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE END MESSAGE?	
5.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION PRIOR TO THE END MESSAGE, LEFT IN THE INITIATION SENT STATE?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>END</div> <div>Message type tag: 01100100</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: 00000101 (Invalid length)</div> <div>Destination transaction ID value: OCTET STRING (5 octets long)</div> <div>(OTID value received in BEGIN message)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.2.1.5 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: Abort message; Invalid P-Abort cause value		
PURPOSE: To verify that signalling point A is able to deal with incorrect encoding of P-Abort cause information element (illegal value)		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that an Abort message with a DTID that is derivable and assigned, contains a syntax error and is sent to SP A in response to the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>:Detect syntax error</i></p> <p><-----</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>ABORT (P)</p> </div> </div> <p>NOTE – The sending of the TR-Abort ind. is implementation dependant.</p>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B and for SP B to respond with the corrupted Abort message. (Illegal P-Abort cause value).	
2.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
3.	CHECK B: VERIFY THAT NO MESSAGES ARE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED ABORT MESSAGE.	
4.	CHECK C: IF THE TR-ABORT IND. WAS SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.1.5 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: INTEGER (5 – Illegal value for this field)</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.1.5 2)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: Abort message; Invalid P-Abort cause length incorrect		
PURPOSE: To verify that on receipt of a corrupted Abort message with incorrect cause length, signalling point A is able to discard the message and advise the local user		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that an Abort message with a DTID that is derivable and assigned, contains a syntax error and is sent to SP A in response to the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>:Detect syntax error</i></p> <p><-----</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>ABORT (P)</p> </div> </div> <p>NOTE – The sending of the TR-Abort ind. is implementation dependant.</p>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B and for SP B to respond with the corrupted Abort message. (Corrupted P-Abort cause length).	
2.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
3.	CHECK B: VERIFY THAT NO MESSAGES ARE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED ABORT MESSAGE.	
4.	CHECK C: IF THE TR-ABORT IND. WAS SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.1.5 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets (i.e. not one) P-Abort cause value: INTEGER (0 .. 4)</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.1 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Unidirectional message Type; Unknown information element present		
PURPOSE: To verify that on receipt of a corrupted Unidirectional message, signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that an Unidirectional message contains a syntax error and is sent to SP A		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>:Detect syntax error</i></p> </div> <div style="text-align: center;"> <p><-----</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>UNIDIRECTIONAL</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the corrupted Unidirectional message to SP A.	
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE UNIDIRECTIONAL MESSAGE AT SP A.	
3.	CHECK B: VERIFY THAT NO MESSAGES WERE GENERATED IN RESPONSE TO THE UNIDIRECTIONAL MESSAGE.	
4.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>UNIDIRECTIONAL</p> <p>Message type tag: 01100001</p> <p>Message type length: correct number of octets</p> <p>Component portion missing</p>		

Superseded by a more recent version

TEST NUMBER: 1.2.2.2 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Begin message type; OTID absent		
PURPOSE: To verify that on receipt of a corrupted Begin message; signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the Begin message contains a syntax error and the OTID is not derivable		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p><i>:Detect syntax error</i></p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>BEGIN</p> </div> <div style="text-align: center; flex-grow: 1;"> <p><-----</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the corrupted Begin message to SP A, with OTID not present.	
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THIS EVENT AT SP A.	
3.	CHECK B: VERIFY THAT NO MESSAGES WERE GENERATED IN RESPONSE TO THE THE CORRUPTED BEGIN MESSAGE.	
4.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>BEGIN</p> <p>Message type tag: 01100010</p> <p>Message type length: correct number of octets</p> <p>OTID absent</p>		

Superseded by a more recent version

TEST NUMBER: 1.2.2.2 2)		Sheet: 1 of 2									
REFERENCE: 3.3.4/Q.774											
TITLE: Syntactically Invalid Behavior; Invalid structure											
SUBTITLE: Begin Message Type; Unknown information element present											
PURPOSE: To verify that on receipt of a corrupted Begin message, with an invalid information element, signalling point A is able to discard the message and generate an Abort message											
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the Begin message contains a syntax error											
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP									
<p>EXPECTED MESSAGE SEQUENCE:</p> <table> <tr> <td>SP A (TSL)</td><td></td><td>SP B (TSL)</td></tr> <tr> <td>:Detect syntax error</td><td><-----</td><td>BEGIN</td></tr> <tr> <td>ABORT (P)</td><td>-----></td><td></td></tr> </table>			SP A (TSL)		SP B (TSL)	:Detect syntax error	<-----	BEGIN	ABORT (P)	----->	
SP A (TSL)		SP B (TSL)									
:Detect syntax error	<-----	BEGIN									
ABORT (P)	----->										
NOTE – If the Abort is not sent, this may be valid behavior depending on the implementation.											
TEST DESCRIPTION											
1.	Arrange for SP B to send the corrupted Begin message to SP A, with an invalid information element after the OTID.										
2.	CHECK A: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?										
3.	CHECK B: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?										

Superseded by a more recent version

TEST NUMBER: 1.2.2.2 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Information element tag: unknown (eg. 01101101) Information element length: correct number of octets Information element value: OCTET STRING</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: First Continue Message; OTID absent		
PURPOSE: To verify that on receipt of a corrupted Continue message, signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message. Arrange the data at SP B such that the Continue message contains a syntax error and the OTID is not derivable		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p><i>:Detect syntax error</i></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>-----></p> <p><----- CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send the corrupted Continue message (OTID not derivable) to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A?	
5.	CHECK C: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED CONTINUE MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THE TRANSACTION, PRIOR TO THE CONTINUE MESSAGE, LEFT IN THE INITIATION SENT STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>OTID absent</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 2)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: First Continue Message; DTID absent		
PURPOSE: To verify that on receipt of a corrupted Continue message containing no DTID, signalling point A is able to discard the message or abort the transaction		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message. Arrange the data at SP B such that the Continue message contains no DTID		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p><i>:Detect syntax error</i></p> <p>ABORT (P)</p> </div> <div style="width: 45%; text-align: center;"> <p>SP B (TSL)</p> <p>-----></p> <p><-----</p> <p>(DTID absent)</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>CONTINUE</p> </div> </div>		
NOTE – If the Abort is not sent, this may be valid behavior depending on the implementation.		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send the corrupted Continue message (DTID absent).	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A?	
5.	CHECK C: WERE THE TSL STATE MACHINES ASSOCIATED WITH THE TRANSACTION, PRIOR TO THE CONTINUE MESSAGE, LEFT IN THE INITIATION SENT STATE?	
6.	CHECK D: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>DTID absent</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 3)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: First Continue Message; OTID duplicated		
PURPOSE: To check the correct behavior of the implementation under test on receipt of a first Continue message with a duplicated OTID		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>ABORT (P)</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 50%; text-align: center;"> <p>-----></p> <p>(with duplicated OTID)</p> <p><-----</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div>		
NOTE – If the ABORT message and primitive are not sent, this may be valid behavior depending on the implementation.		
TEST DESCRIPTION		
1.	Arrange SP A to send a Begin message.	
2.	Arrange for SP B to send a Continue message to SP A with a duplicated OTID.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID VALUE AND CORRECT P-ABORT CAUSE VALUE?	
5.	CHECK C: IF THE ABORT MESSAGE AND PRIMITIVE WERE SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 3)	Sheet: 2 of 2																					
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES																						
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <table><tr><td>Originating transaction ID tag: 01001000</td><td>}</td><td></td></tr><tr><td>Originating transaction ID length: correct number of octets</td><td>}</td><td></td></tr><tr><td>Originating transaction ID value: OCTET STRING (1-4 octets long)</td><td>}</td><td></td></tr><tr><td></td><td>}</td><td>Duplicated</td></tr><tr><td>Originating transaction ID tag: 01001000</td><td>}</td><td></td></tr><tr><td>Originating transaction ID length: correct number of octets</td><td>}</td><td></td></tr><tr><td>Originating transaction ID value: OCTET STRING (1-4 octets long)</td><td>}</td><td></td></tr></table> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>		Originating transaction ID tag: 01001000	}		Originating transaction ID length: correct number of octets	}		Originating transaction ID value: OCTET STRING (1-4 octets long)	}			}	Duplicated	Originating transaction ID tag: 01001000	}		Originating transaction ID length: correct number of octets	}		Originating transaction ID value: OCTET STRING (1-4 octets long)	}	
Originating transaction ID tag: 01001000	}																					
Originating transaction ID length: correct number of octets	}																					
Originating transaction ID value: OCTET STRING (1-4 octets long)	}																					
	}	Duplicated																				
Originating transaction ID tag: 01001000	}																					
Originating transaction ID length: correct number of octets	}																					
Originating transaction ID value: OCTET STRING (1-4 octets long)	}																					

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 4)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: First Continue Message; DTID duplicated		
PURPOSE: To check the correct behavior of the implementation under test on receipt of a first Continue message with a duplicated DTID		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>ABORT (P)</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>-----></p> <p>(with duplicated DTID)</p> <p><-----</p> <p>CONTINUE</p> <p>-----></p> </div> </div> <p>NOTE – If the ABORT message and primitive are not sent, this may be valid behavior depending on the implementation.</p>		
TEST DESCRIPTION		
1.	Arrange SP A to send a Begin message.	
2.	Arrange for SP B to send a Continue message to SP A with a duplicated DTID.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: WAS AN ABORT MESSAGE WITH CORRECT DTID VALUE AND CORRECT P-ABORT CAUSE VALUE CORRECTLY SENT FROM SP A?	
5.	CHECK C: IF THE ABORT MESSAGE AND PRIMITIVE WERE SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 4)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 } Destination transaction ID length: correct number of octets } Destination transaction ID value: OCTET STRING (1-4 octets long) } (OTID value received in BEGIN message) } } Duplicated</p> <p>Destination transaction ID tag: 01001001 } Destination transaction ID length: correct number of octets } Destination transaction ID value: OCTET STRING (1-4 octets long) } (OTID value received in BEGIN message) }</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 5)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: First Continue Message; Unknown information element present		
PURPOSE: To verify that on receipt of a corrupted Continue message, signalling point A behaves correctly		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that a Continue message with an OTID that is derivable and a DTID that is derivable and assigned, contains a syntax error and is sent to SP A in response to the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>:Detect syntax error</p> <p>ABORT (P)</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>-----></p> <p><----- CONTINUE</p> <p>-----></p> </div> </div> <p>NOTE – If the ABORT message and primitive are not sent, this may be valid behavior depending on the implementation.</p>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send the corrupted Continue message with an extra information element after the DTID information element (eg P-Abort Cause).	
3.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A?	
4.	CHECK B: IF THE ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A, WITH CORRECT DTID AND THE CORRECT P-ABORT CAUSE VALUE? (INCORRECT TRANSACTION PORTION)	
5.	CHECK C: IF THE MESSAGE AND PRIMITIVE ABORT WERE SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.3 5)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Information element tag: unknown (eg. 01101101) Information element length: correct number of octets Information element value: OCTET STRING</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.4 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Subsequent Continue Message; OTID absent		
PURPOSE: To verify that on receipt of a corrupted Continue message after transaction establishment, SP A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div><div>SP A (TSL)</div><div><i>TR-BEGIN req.</i> =====></div><div>BEGIN</div><div><i>TR-CONTINUE ind.</i> <=====</div><div>:Detect error</div></div><div><div></div><div>-----></div><div><-----</div><div></div><div><-----</div></div><div><div></div><div></div><div>CONTINUE</div><div></div><div>CONTINUE</div></div></div>		
TEST DESCRIPTION		
1.	Send a Begin message from SP A to SP B.	
2.	Arrange for SP B to send a correct Continue message to SP A.	
3.	Arrange for SP B to send a corrupted Continue message to SP A (OTID not derivable).	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
5.	CHECK B: WAS THE FIRST CONTINUE MESSAGE CORRECTLY RECEIVED AT SP A?	
6.	CHECK C: VERIFY THAT THE TR-USER AT SP A WAS NOT INFORMED OF THE CORRUPTED CONTINUE MESSAGE?	
7.	CHECK D: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED CONTINUE MESSAGE?	
8.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION, PRIOR TO THE CORRUPTED CONTINUE MESSAGE, LEFT IN THE ACTIVE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.4 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE (1st)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE (2nd)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.4 2)		Sheet: 1 of 2																																	
REFERENCE: 3.3.4/Q.774																																			
TITLE: Syntactically Invalid Behavior; Invalid structure																																			
SUBTITLE: Subsequent Continue Message; Unknown information element present																																			
PURPOSE: To verify that on receipt of a corrupted Continue message with OTID derivable and DTID derivable and assigned, after transaction establishment, SP A behaves correctly																																			
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state																																			
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																																	
<p>EXPECTED MESSAGE SEQUENCE:</p> <table> <tr> <td>SP A (TSL)</td><td></td><td>SP B (TSL)</td></tr> <tr> <td></td><td><-----</td><td>BEGIN</td></tr> <tr> <td><i>TR-BEGIN ind.</i></td><td></td><td></td></tr> <tr> <td><=====</td><td></td><td></td></tr> <tr> <td><i>TR-CONTINUE req.</i></td><td></td><td></td></tr> <tr> <td>=====></td><td></td><td></td></tr> <tr> <td></td><td>-----></td><td>CONTINUE</td></tr> <tr> <td><i>:Detect error</i></td><td><-----</td><td>CONTINUE</td></tr> <tr> <td>ABORT (P)</td><td>-----></td><td></td></tr> <tr> <td><i>TR-P-ABORT Ind.</i></td><td></td><td></td></tr> <tr> <td><=====</td><td></td><td></td></tr> </table> <p>NOTE – If the ABORT message and primitive are not sent, this may be valid behavior depending on the implementation.</p>			SP A (TSL)		SP B (TSL)		<-----	BEGIN	<i>TR-BEGIN ind.</i>			<=====			<i>TR-CONTINUE req.</i>			=====>				----->	CONTINUE	<i>:Detect error</i>	<-----	CONTINUE	ABORT (P)	----->		<i>TR-P-ABORT Ind.</i>			<=====		
SP A (TSL)		SP B (TSL)																																	
	<-----	BEGIN																																	
<i>TR-BEGIN ind.</i>																																			
<=====																																			
<i>TR-CONTINUE req.</i>																																			
=====>																																			
	----->	CONTINUE																																	
<i>:Detect error</i>	<-----	CONTINUE																																	
ABORT (P)	----->																																		
<i>TR-P-ABORT Ind.</i>																																			
<=====																																			
TEST DESCRIPTION																																			
1.	Send a Begin message from SP B to SP A.																																		
2.	Arrange for SP A to send a correct Continue message to SP B.																																		
3.	Arrange for SP B to send a corrupted Continue message to SP A (extra Information Element after the DTID Information Element).																																		
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY RECEIVED AT SP A?																																		
5.	CHECK B: WAS THE FIRST CONTINUE MESSAGE CORRECTLY SENT FROM SP A?																																		
6.	CHECK C: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?																																		
7.	CHECK D: IF THE ABORT WAS SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN IDLE STATE AT SP A?																																		

Superseded by a more recent version

TEST NUMBER: 1.2.2.4 2)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE (1st)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUED (2nd)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) (OTID value used in BEGIN message)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>Information element tag: unknown (eg. 01101101) Information element length: correct number of octets Information element value: OCTET STRING</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.2.5 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: End Message; DTID absent		
PURPOSE: To verify that on receipt of a corrupted End message, SP A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the End message contains a syntax error (DTID absent)		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div>TR-BEGIN req. =====➤</div><div>BEGIN</div><div>:Detect syntax error</div></div> <div><div>SP B (TSL)</div><div>-----➤</div><div><-----</div><div>END</div></div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a corrupted End message to SP A.(DTID absent.)	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE MESSAGE AT SP A?	
5.	CHECK C: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED END MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION, PRIOR TO THE END MESSAGE, LEFT IN THE INITIATION SENT STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>END</div> <div>Message type tag: 01100100</div> <div>Message type length: correct number of octets</div> <div>DTID absent</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div>		

Superseded by a more recent version

TEST NUMBER: 1.2.2.6 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Abort Message; DTID absent		
PURPOSE: To verify that on receipt of a corrupted Abort message, SP A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that the Abort message contains a syntax error (DTID absent)		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div>TR-BEGIN req. =====></div><div>BEGIN</div><div>:Detect syntax error</div></div> <div><div>SP B (TSL)</div><div></div><div>ABORT</div></div>		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a corrupted Abort message to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE MESSAGE AT SP A?	
5.	CHECK C: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE CORRUPTED ABORT MESSAGE?	
6.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION, PRIOR TO THE ABORT MESSAGE, LEFT IN THE INITIATION SENT STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>ABORT (P)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>DTID absent</div> <div>P-Abort cause tag: 01101100</div> <div>P-Abort cause length: correct number of octets</div> <div>P-Abort cause value: eg. incorrect transaction portion 00000011</div>		

Superseded by a more recent version

TEST NUMBER: 1.2.2.7 1)		Sheet: 1 of 1						
REFERENCE: 3.3.4/Q.774								
TITLE: Syntactically Invalid Behavior; Invalid structure								
SUBTITLE: Unknown Message; OTID not included								
PURPOSE: To verify that on receipt of an Unknown message, signalling point A is able to discard the message								
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that an Unknown message with an OTID that is not derivable is sent to SP A								
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP						
<p>EXPECTED MESSAGE SEQUENCE:</p> <table border="0"> <tr> <td>SP A (TSL)</td> <td></td> <td>SP B (TSL)</td> </tr> <tr> <td>:Detect Unknown message type</td> <td><-----</td> <td>UNKNOWN MESSAGE</td> </tr> </table>			SP A (TSL)		SP B (TSL)	:Detect Unknown message type	<-----	UNKNOWN MESSAGE
SP A (TSL)		SP B (TSL)						
:Detect Unknown message type	<-----	UNKNOWN MESSAGE						
TEST DESCRIPTION								
1.	Arrange for SP B to send the Unknown message to SP A.							
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THIS EVENT AT SP A?							
3.	CHECK B: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE UNKNOWN MESSAGE?							
4.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?							
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES								
<p>UNKNOWN MESSAGE</p> <p>Message type tag: unknown (eg 01100110) Message type length: correct number of octets</p> <p>OTID absent</p>								

Superseded by a more recent version

TEST NUMBER: 1.2.2.7 2)		Sheet: 1 of 1																					
REFERENCE: 3.3.4/Q.774																							
TITLE: Syntactically Invalid Behavior; Invalid structure																							
SUBTITLE: Unknown Message; OTID included and DTID not included																							
PURPOSE: To verify that on receipt of an Unknown message, signalling point A behaves correctly																							
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B that an Unknown message with an OTID that is derivable and a DTID that is not derivable or derivable but unassigned is sent to SP A																							
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																					
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div><i>:Detect Unknown message type</i></div><div>ABORT (P)</div></div> <div><div>SP B (TSL)</div><div>UNKNOWN MESSAGE</div></div> <div><div><-----</div><div>-----></div></div> <tr><td colspan="3">NOTE – If the Abort message is not sent, this may be valid behavior depending on the implementation.</td></tr> <tr><td colspan="3">TEST DESCRIPTION</td></tr> <tr><td>1.</td><td colspan="2">Arrange for SP B to send the Unknown message to SP A.</td></tr> <tr><td>2.</td><td colspan="2">CHECK A: IF A P-ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH THE CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?</td></tr> <tr><td>3.</td><td colspan="2">CHECK B: IF THE ABORT WAS SENT, WERE TSL THE STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?</td></tr> <tr><td colspan="3">CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES</td></tr> <tr><td colspan="3"><div>UNKNOWN MESSAGE</div><div>Message type tag: unknown (eg 01100110)</div><div>Message type length: correct number of octets</div><div>Originating transaction ID tag: 01001000</div><div>Originating transaction ID length: correct number of octets</div><div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div><div>ABORT (P)</div><div>Message type tag: 01100111</div><div>Message type length: correct number of octets</div><div>Destination transaction ID tag: 01001001</div><div>Destination transaction ID length: correct number of octets</div><div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div><div>(OTID value received in UNKNOWN message)</div><div>P-Abort cause tag: 01001010</div><div>P-Abort cause length: one octet</div><div>P-Abort cause value: unrecognized message type 00000000</div></td></tr>			NOTE – If the Abort message is not sent, this may be valid behavior depending on the implementation.			TEST DESCRIPTION			1.	Arrange for SP B to send the Unknown message to SP A.		2.	CHECK A: IF A P-ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH THE CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?		3.	CHECK B: IF THE ABORT WAS SENT, WERE TSL THE STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?		CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES			<div>UNKNOWN MESSAGE</div> <div>Message type tag: unknown (eg 01100110)</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>ABORT (P)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div> <div>(OTID value received in UNKNOWN message)</div> <div>P-Abort cause tag: 01001010</div> <div>P-Abort cause length: one octet</div> <div>P-Abort cause value: unrecognized message type 00000000</div>		
NOTE – If the Abort message is not sent, this may be valid behavior depending on the implementation.																							
TEST DESCRIPTION																							
1.	Arrange for SP B to send the Unknown message to SP A.																						
2.	CHECK A: IF A P-ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH THE CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?																						
3.	CHECK B: IF THE ABORT WAS SENT, WERE TSL THE STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?																						
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES																							
<div>UNKNOWN MESSAGE</div> <div>Message type tag: unknown (eg 01100110)</div> <div>Message type length: correct number of octets</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>ABORT (P)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div> <div>(OTID value received in UNKNOWN message)</div> <div>P-Abort cause tag: 01001010</div> <div>P-Abort cause length: one octet</div> <div>P-Abort cause value: unrecognized message type 00000000</div>																							

Superseded by a more recent version

TEST NUMBER: 1.2.2.7 3)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Unknown Message; OTID included and DTID included		
PURPOSE: To verify that on receipt of an Unknown message with assigned DTID, SP A is able to behave correctly		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B such that an Unknown message with an OTID that is derivable and a DTID that is derivable and assigned is sent to SP A in response to the Begin message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i></p> <p>=====></p> <p>BEGIN</p> <p>-----></p> <p><i>:Detect Unknown message type</i></p> <p><-----</p> <p>ABORT (P)</p> <p><i>TR-P-ABORT ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>UNKNOWN MESSAGE</p> </div> </div>		
NOTE – If the ABORT message and primitive are not sent, this may be valid behavior depending on the implementation.		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B and for SP B to respond with the Unknown message.	
2.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
3.	CHECK B: IF THE P-ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH THE CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?	
4.	CHECK C: IF THE ABORT WAS SENT, WAS THE TR-USER AT SP A ADVISED BY A TR-P-ABORT INDICATION PRIMITIVE THAT THIS TRANSACTION HAD BEEN ABORTED?	
5.	CHECK D: IF THE ABORT WAS SENT, WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.2.2.7 3)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>UNKNOWN MESSAGE</p> <p>Message type tag: unknown (eg 01100110) Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in UNKNOWN message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: unrecognized message type 00000000</p>	

Superseded by a more recent version

TEST NUMBER: 1.2.3.1 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid encoding		
SUBTITLE: Begin Message Type; Invalid tag		
PURPOSE: To verify that on receipt of a corrupted Begin message with Invalid tag, signalling point A behaves correctly		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. Arrange the data at SP B that the Begin message contains an Invalid tag		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div>SP A (TSL)</div><div>:Detect syntax error</div><div>ABORT (P)</div></div> <div><div>SP B (TSL)</div><div>BEGIN</div></div> <div><-----</div> <div>-----></div>		
NOTE – If the Abort message is not sent, this may be valid behavior depending on the implementation.		
TEST DESCRIPTION		
1.	Arrange for SP B to send the corrupted Begin message to SP A.	
2.	CHECK A: CHECK THAT THE USER WAS NOT INFORMED OF THE BEGIN MESSAGE?	
3.	CHECK B: WERE THE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
4..	CHECK C: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<div>BEGIN</div> <div>Message type tag: 01100010</div> <div>Message type length: correct number of octets</div> <div>Invalid tag: eg. 00100010</div> <div>Originating transaction ID tag: 01001000</div> <div>Originating transaction ID length: correct number of octets</div> <div>Originating transaction ID value: OCTET STRING (1-4 octets long)</div> <div>ABORT (P)</div> <div>Message type tag: 01100111</div> <div>Message type length: correct number of octets</div> <div>Destination transaction ID tag: 01001001</div> <div>Destination transaction ID length: correct number of octets</div> <div>Destination transaction ID value: OCTET STRING (1-4 octets long)</div> <div>(OTID value received in BEGIN message)</div> <div>P-Abort cause tag: 01001010</div> <div>P-Abort cause length: correct number of octets</div> <div>P-Abort cause value: incorrect transaction portion 00000011</div>		

Superseded by a more recent version

TEST NUMBER: 1.2.3.2 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid encoding		
SUBTITLE: Continue Message; Invalid tag		
PURPOSE: To verify that on receipt of a corrupted Continue message with Invalid tag, signalling point A behaves correctly		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state. SP B to respond with a Continue message on receipt of the Begin message. Arrange the data at SP B such that Continue message contains a syntax error (invalid tag)		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (TSL)</p> <p><i>TR-BEGIN req.</i> =====></p> <p>BEGIN</p> <p><i>:Detect syntax error</i></p> <p>ABORT (P)</p> <p><i>TR-P-ABORT ind.</i> =====></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (TSL)</p> <p>-----></p> <p><----- CONTINUE</p> <p>-----></p> </div> </div>		
NOTE – If the ABORT message and the primitive are not sent, this may be valid behavior depending on the implementation.		
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send the corrupted Continue message to SP A.	
3.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT FROM SP A?	
4.	CHECK B: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A?	
5.	CHECK C: IF AN ABORT MESSAGE WAS SENT, WAS IT SENT CORRECTLY FROM SP A WITH CORRECT DTID AND CORRECT P-ABORT CAUSE VALUE?	

Superseded by a more recent version

TEST NUMBER: 1.2.3.2 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Invalid tag: eg. 00011111</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in BEGIN message)</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: correct number of octets P-Abort cause value: incorrect transaction portion 00000011</p>	

Superseded by a more recent version

TEST NUMBER: 1.3.1 1)		Sheet: 1 of 2
REFERENCE: 3.3.4/Q.774		
TITLE: Incorporate Messages; Continue Message Type		
SUBTITLE: Receipt of Continue message in idle state with unassigned DTID		
PURPOSE: To verify that on receipt of a Continue message with unassigned DTID, signalling point A is able to discard the message and generate an Abort message		
PRE-TEST CONDITIONS: SP A (TSL) to be in the idle state and SP B (TSL) to be in the IR/Active state. Arrange the data at SP B such that a Continue message with an OTID that is derivable and a DTID that is derivable but unassigned is sent to SP A		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (TSL)</p> <p>ABORT (P)</p> </div> <div style="text-align: center;"> <p><-----</p> <p>-----></p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>CONTINUE</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the Continue message with unassigned DTID to SP A.	
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE CONTINUE MESSAGE AT SP A?	
3.	CHECK B: WAS THE DTID IN THE ABORT MESSAGE EQUAL TO THE OTID IN THE CONTINUE MESSAGE?	
4.	CHECK C: WAS AN ABORT MESSAGE CORRECTLY SENT FROM SP A WITH A P-ABORT CAUSE VALUE OF UNRECOGNIZED TRANSACTION ID?	
5.	CHECK D: WERE TSL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.3.1 1)	Sheet: 2 of 2
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: unrecognized transaction ID 00000001</p>	

Superseded by a more recent version

TEST NUMBER: 1.3.2 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Incorporate Messages; End Message Type		
SUBTITLE: Receipt of End message in idle state		
PURPOSE: To verify that on receipt of an End message with unassigned DTID, signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) to be in the idle state and SP B (TSL) to be in the IR/Active state. Arrange the data at SP B such that an End message with a DTID that is derivable but unassigned is sent to SP A		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>SP A (TSL)</p> </div> <div style="text-align: center;"> <p><-----</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>END</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the End message with unassigned DTID to SP A.	
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE END MESSAGE AT SP A?	
3.	CHECK B: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE END MESSAGE?	
4.	CHECK C: WERE TSL STATE MACHINES ASSOCIATED WITH THE TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>		

Superseded by a more recent version

TEST NUMBER: 1.3.3 1)		Sheet: 1 of 1
REFERENCE: 3.3.4/Q.774		
TITLE: Incorporate Messages; Abort Message Type		
SUBTITLE: Receipt of Abort message in idle state		
PURPOSE: To verify that on receipt of an Abort message with unassigned DTID, signalling point A is able to discard the message		
PRE-TEST CONDITIONS: SP A (TSL) to be in the idle state and SP B (TSL) to be in the IR/Active state. Arrange the data at SP B such that an Abort message with a DTID that is derivable but unassigned is sent to SP A		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE SEQUENCE:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>SP A (TSL)</p> </div> <div style="text-align: center;"> <p><-----</p> </div> <div style="text-align: center;"> <p>SP B (TSL)</p> <p>ABORT (P)</p> </div> </div>		
TEST DESCRIPTION		
1.	Arrange for SP B to send the Abort message with unassigned DTID to SP A.	
2.	CHECK A: VERIFY THAT THE TR-USER WAS NOT INFORMED OF THE ABORT MESSAGE AT SP A?	
3.	CHECK B: VERIFY THAT NO MESSAGES WERE GENERATED BY SP A IN RESPONSE TO THE ABORT MESSAGE?	
4.	CHECK C: WERE ALL STATE MACHINES ASSOCIATED WITH THIS TRANSACTION LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
<p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: INTEGER {0, 1, 2, 3, 4}</p>		

Superseded by a more recent version

TEST NUMBER: 1.4.1 1)		Sheet: 1 of 3
REFERENCE: 3.3.3.2/Q.774		
TITLE: Multiple Transaction Encoding; Valid Transaction Encoding		
SUBTITLE: New transaction request during transaction establishment		
PURPOSE: To verify that the signalling point A is able to correctly react to a Begin message during the establishment of another transaction		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div><div>SP A (TSL)</div><div><i>TR-BEGIN req.</i> =====></div><div>BEGIN</div><div><i>TR-BEGIN ind.</i> =====</div><div><i>TR-END req.</i> =====</div><div><i>(Basic)</i> (end new transaction)</div><div>END</div><div><i>TR-END ind.</i> =====</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		

Superseded by a more recent version

TEST NUMBER: 1.4.1 1)		Sheet: 2 of 3
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a Begin message to SP A (new transaction).	
3.	Arrange for SP A to respond with an End message to the 2nd Begin message.	
4.	Arrange for SP B to respond with an End message to the 1st Begin message.	
5.	CHECK A: WAS THE FIRST BEGIN MESSAGE CORRECTLY SENT BY SP A?	
6.	CHECK B: WAS THE SECOND BEGIN MESSAGE CORRECTLY RECEIVED BY SP A?	
7.	CHECK C: WAS THE DTID IN THE FIRST END MESSAGE THE SAME AS THE OTID IN THE SECOND BEGIN MESSAGE?	
8.	CHECK D: WAS THE SECOND END MESSAGE CORRECTLY RECEIVED BY SP A?	
9.	CHECK E: WERE TSL STATE MACHINES ASSOCIATED WITH THESE TRANSACTIONS LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.4.1 1)	Sheet: 3 of 3
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN (1st)</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) X</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>BEGIN (2nd)</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) Y</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END (1st)</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Y (OTID value received in 2nd BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END (2nd)</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) X (OTID value received in 1st BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.4.1 2)		Sheet: 1 of 3																																																						
REFERENCE: 3.3.3.2/Q.774																																																								
TITLE: Multiple Transaction Encoding; Valid Transaction Encoding																																																								
SUBTITLE: New transaction request after transaction establishment																																																								
PURPOSE: To verify that the signalling point A is able to correctly react to a Begin message after the establishment of another transaction																																																								
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state																																																								
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																																																						
<p>EXPECTED MESSAGE SEQUENCE:</p> <table border="0"> <tr> <td>SP A (TSL)</td> <td></td> <td>SP B (TSL)</td> </tr> <tr> <td><i>TR-BEGIN req.</i></td> <td></td> <td></td> </tr> <tr> <td>=====></td> <td></td> <td></td> </tr> <tr> <td>BEGIN</td> <td>-----></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>CONTINUE</td> </tr> <tr> <td><i>TR-CONTINUE ind.</i></td> <td></td> <td></td> </tr> <tr> <td><=====</td> <td></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>BEGIN (new transaction)</td> </tr> <tr> <td><i>TR-BEGIN ind.</i></td> <td></td> <td></td> </tr> <tr> <td><=====</td> <td></td> <td></td> </tr> <tr> <td><i>TR-END req.</i></td> <td></td> <td></td> </tr> <tr> <td>=====></td> <td></td> <td></td> </tr> <tr> <td>(Basic)</td> <td></td> <td></td> </tr> <tr> <td>(end new transaction)</td> <td></td> <td></td> </tr> <tr> <td>END</td> <td>-----></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>END</td> </tr> <tr> <td><i>TR-END ind.</i></td> <td></td> <td></td> </tr> <tr> <td><=====</td> <td></td> <td></td> </tr> </table>			SP A (TSL)		SP B (TSL)	<i>TR-BEGIN req.</i>			=====>			BEGIN	----->			<-----	CONTINUE	<i>TR-CONTINUE ind.</i>			<=====				<-----	BEGIN (new transaction)	<i>TR-BEGIN ind.</i>			<=====			<i>TR-END req.</i>			=====>			(Basic)			(end new transaction)			END	----->			<-----	END	<i>TR-END ind.</i>			<=====		
SP A (TSL)		SP B (TSL)																																																						
<i>TR-BEGIN req.</i>																																																								
=====>																																																								
BEGIN	----->																																																							
	<-----	CONTINUE																																																						
<i>TR-CONTINUE ind.</i>																																																								
<=====																																																								
	<-----	BEGIN (new transaction)																																																						
<i>TR-BEGIN ind.</i>																																																								
<=====																																																								
<i>TR-END req.</i>																																																								
=====>																																																								
(Basic)																																																								
(end new transaction)																																																								
END	----->																																																							
	<-----	END																																																						
<i>TR-END ind.</i>																																																								
<=====																																																								

Superseded by a more recent version

TEST NUMBER: 1.4.1 2)		Sheet: 2 of 3
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to respond with a Continue message to Begin message.	
3.	Arrange for SP B to send a Begin message to SP A (new transaction).	
4.	Arrange for SP A to respond with an End message to the 2nd Begin message.	
5.	Arrange for SP B to respond with an End message to the 1st Begin message.	
6.	CHECK A: WAS THE FIRST BEGIN MESSAGE CORRECTLY SENT BY SP A?	
7.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED BY SP A?	
8.	CHECK C: WAS THE SECOND BEGIN MESSAGE CORRECTLY RECEIVED BY SP A?	
9.	CHECK D: WAS THE DTID IN THE FIRST END MESSAGE THE SAME AS THE OTID IN THE SECOND BEGIN MESSAGE?	
10.	CHECK E: WAS THE SECOND END MESSAGE CORRECTLY RECEIVED BY SP A?	
11.	CHECK F: WERE TSL STATE MACHINES ASSOCIATED WITH THESE TRANSACTIONS LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
BEGIN (1st) Message type tag: 01100010 Message type length: correct number of octets Destination transaction ID tag: 01001000 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) X Component portion tag: 01101100 Component portion length: correct number of octets		

Superseded by a more recent version

TEST NUMBER: 1.4.1 2)	Sheet: 3 of 3
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) Y</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) X (OTID value received in 1st BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>BEGIN (2nd)</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) Z</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END (1st)</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Z (OTID value received in 2nd BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>END (2nd)</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) X (OTID value received in 1st BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.4.2 1)		Sheet: 1 of 3
REFERENCE: 3.3.3.2/Q.774		
TITLE: Multiple Transaction Encoding; Inopportune Messages		
SUBTITLE: Message with unassigned DTID during transaction establishment		
PURPOSE: To verify that the signalling point A is able to correctly react to a Continue message with DTID unassigned during the establishment of another transaction		
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE SEQUENCE:</div> <div><div><div>SP A (TSL)</div><div><div><div>TR-BEGIN req.</div><div>=====</div><div>></div></div></div><div><div>BEGIN</div><div>-----></div></div><div><div>ABORT (P)</div><div>-----></div></div><div><div><div>TR-P-ABORT ind.</div><div><=====</div></div></div><div><div><div>TR-END ind.</div><div><=====</div></div></div></div><div><div>SP B (TSL)</div><div><div>CONTINUE (new transaction)</div><div>-----<</div></div><div><div>END</div><div>-----<</div></div></div></div>		

Superseded by a more recent version

TEST NUMBER: 1.4.2 1)		Sheet: 2 of 3
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a Continue message with unassigned DTID to SP A.	
3.	Arrange for SP B to respond with an End message to the Begin message.	
4.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT BY SP A?	
5.	CHECK B: WAS THE CONTINUE MESSAGE CORRECTLY RECEIVED BY SP A?	
6.	CHECK C: WAS THE DTID IN THE ABORT MESSAGE THE SAME AS THE OTID IN THE CONTINUE MESSAGE?	
7.	CHECK D: WAS THE P-ABORT CAUSE IN THE ABORT MESSAGE THE CORRECT VALUE, (UNRECOGNIZED TRANSACTION ID)?	
8.	CHECK E: WAS THE END MESSAGE CORRECTLY RECEIVED BY SP A?	
9.	CHECK F: WERE TSL STATE MACHINES ASSOCIATED WITH THESE TRANSACTIONS LEFT IN THE IDLE STATE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 1.4.2 1)	Sheet: 3 of 3
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>BEGIN</p> <p>Message type tag: 01100010 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) X</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>CONTINUE</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) Y</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Z (Not equal to X)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001B Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Y (OTID value received in CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: 00000001 Unrecognized Transaction ID</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) X (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

TEST NUMBER: 1.4.2.2)		Sheet: 1 of 3																																										
REFERENCE: 3.3.3.2/Q.774																																												
TITLE: Multiple Transaction Encoding; Inopportune Messages																																												
SUBTITLE: Message with unassigned DTID after transaction establishment																																												
PURPOSE: To verify that the signalling point A is able to correctly react to a Continue message with DTID unassigned after the establishment of another transaction																																												
PRE-TEST CONDITIONS: SP A (TSL) and SP B (TSL) are to be in the idle state																																												
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP																																										
<p>EXPECTED MESSAGE SEQUENCE:</p> <table border="0"> <tr> <td>SP A (TSL)</td> <td></td> <td>SP B (TSL)</td> </tr> <tr> <td><i>TR-BEGIN req.</i></td> <td></td> <td></td> </tr> <tr> <td><u>=====</u>></td> <td></td> <td></td> </tr> <tr> <td>BEGIN</td> <td>-----></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>CONTINUE</td> </tr> <tr> <td><i>TR-CONTINUE ind.</i></td> <td></td> <td></td> </tr> <tr> <td><u><=====</u></td> <td></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>CONTINUE (new transaction)</td> </tr> <tr> <td>ABORT (P)</td> <td>-----></td> <td></td> </tr> <tr> <td><i>TR-P-ABORT ind.</i></td> <td></td> <td></td> </tr> <tr> <td><u><=====</u></td> <td></td> <td></td> </tr> <tr> <td></td> <td><-----</td> <td>END</td> </tr> <tr> <td><i>TR-END ind.</i></td> <td></td> <td></td> </tr> <tr> <td><u><=====</u></td> <td></td> <td></td> </tr> </table>			SP A (TSL)		SP B (TSL)	<i>TR-BEGIN req.</i>			<u>=====</u> >			BEGIN	----->			<-----	CONTINUE	<i>TR-CONTINUE ind.</i>			<u><=====</u>				<-----	CONTINUE (new transaction)	ABORT (P)	----->		<i>TR-P-ABORT ind.</i>			<u><=====</u>				<-----	END	<i>TR-END ind.</i>			<u><=====</u>		
SP A (TSL)		SP B (TSL)																																										
<i>TR-BEGIN req.</i>																																												
<u>=====</u> >																																												
BEGIN	----->																																											
	<-----	CONTINUE																																										
<i>TR-CONTINUE ind.</i>																																												
<u><=====</u>																																												
	<-----	CONTINUE (new transaction)																																										
ABORT (P)	----->																																											
<i>TR-P-ABORT ind.</i>																																												
<u><=====</u>																																												
	<-----	END																																										
<i>TR-END ind.</i>																																												
<u><=====</u>																																												

Superseded by a more recent version

TEST NUMBER: 1.4.2 2)		Sheet: 2 of 3
TEST DESCRIPTION		
1.	Arrange for SP A to send a Begin message to SP B.	
2.	Arrange for SP B to send a Continue message in response to Begin message from SP A.	
3.	Arrange for SP B to send a Continue message with unassigned DTID to SP A.	
4.	Arrange for SP B to respond with an End message to the Begin message.	
5.	CHECK A: WAS THE BEGIN MESSAGE CORRECTLY SENT BY SP A?	
6.	CHECK B: WERE THE CONTINUE MESSAGES CORRECTLY RECEIVED BY SP A?	
7.	CHECK C: WAS THE DTID IN THE ABORT MESSAGE THE SAME AS THE OTID IN THE SECOND CONTINUE MESSAGE?	
8.	CHECK D: WAS THE P-ABORT CAUSE IN THE ABORT MESSAGE THE CORRECT VALUE, (UNRECOGNIZED TRANSACTION ID)?	
9	CHECK E: WAS THE END MESSAGE CORRECTLY RECEIVED BY SP A?	
10.	CHECK F: WERE TSL STATE MACHINES ASSOCIATED WITH THESE TRANSACTIONS LEFT IN THE IDLE STATE AT SP A?	
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES		
BEGIN		
Message type tag: 01100010		
Message type length: correct number of octets		
Originating transaction ID tag: 01001000		
Originating transaction ID length: correct number of octets		
Originating transaction ID value: OCTET STRING (1-4 octets long) W		
Component portion tag: 01101100		
Component portion length: correct number of octets		
CONTINUE (1st)		
Message type tag: 01100101		
Message type length: correct number of octets		
Originating transaction ID tag: 01001000		
Originating transaction ID length: correct number of octets		
Originating transaction ID value: OCTET STRING (1-4 octets long) X		
Destination transaction ID tag: 01001001		
Destination transaction ID length: correct number of octets		
Destination transaction ID value: OCTET STRING (1-4 octets long) W (OTID value received in BEGIN message)		
Component portion tag: 01101100		
Component portion length: correct number of octets		

Superseded by a more recent version

TEST NUMBER: 1.4.2 2)	Sheet: 3 of 3
CHECK TABLE FOR INFORMATION ELEMENTS WITHIN MESSAGES	
<p>CONTINUE (2nd)</p> <p>Message type tag: 01100101 Message type length: correct number of octets</p> <p>Originating transaction ID tag: 01001000 Originating transaction ID length: correct number of octets Originating transaction ID value: OCTET STRING (1-4 octets long) Y</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Z (Not equal to W)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>ABORT (P)</p> <p>Message type tag: 01100111 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001B Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) Y (OTID value received in 2nd CONTINUE message)</p> <p>P-Abort cause tag: 01001010 P-Abort cause length: one octet P-Abort cause value: 00000001 Unrecognized Transaction ID</p> <p>END</p> <p>Message type tag: 01100100 Message type length: correct number of octets</p> <p>Destination transaction ID tag: 01001001 Destination transaction ID length: correct number of octets Destination transaction ID value: OCTET STRING (1-4 octets long) W (OTID value received in BEGIN message)</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p>	

Superseded by a more recent version

7.2 TC Component Sublayer test specification

7.2.1 Guidance on performing component sublayer tests

- a) For all the tests, the phrase "... component with correct information" in the test description means that the detail values in the indicated component will be syntactically verified against the information listed in the check table for components within messages.
- b) In some tests, a check is required to verify that the Invocation State Machine has returned to idle. One possible procedure to perform this check is to send a Return Result-Last component with the presumed idled Invoke ID. If the IUT (Implementation Under Test) returns a Reject with problem code = "unrecognized Invoke ID," the IUT has passed this check.
- c) For all tests of the CSL, the component has to be carried in a TSL message, e.g. the Invoke component in Test No. 2.1.1.1 is carried from SP A to SP B in a Begin message and the Return Result-Last component is carried in an End message. In fact, if a transaction is first established between SP A and SP B, it is possible to carry the Invoke and the Return Result components in Continue messages.
- d) The assumption used in these CSL tests is that the transaction is kept alive until the last component in the message flow has been delivered to the peer. In case this assumption does not hold for a real application (e.g. because of the use of an Abort or End message), one cannot reach any conclusive verdict on the test.
- e) CSL tests assume that the TSL and SCCP operate correctly. Thus, CSL tests assume that, in particular, components are carried in valid TSL messages within valid transaction states so that abnormal occurrences in the underlying (sub) layer(s) do not occur.
- f) TC-User related information, such as specific operation code and parameters, are not specified. It is up to the test implementers to include application dependent information, where applicable, in order to provoke the expected component flow.

7.2.2 Component sublayer test list

All tests are validation tests

Tests marked "*" are compatibility tests

2 Component Sublayer

2.1 Valid Functions

2.1.1 Invoke component, unlinked operations

2.1.1.1 Class 1 single operation invocation

- * 2.1.1.1.1 IUT as sender: receive result
 - * 2.1.1.1.2 IUT as receiver: report result
 - * 2.1.1.1.3 IUT as sender: receive error
 - * 2.1.1.1.4 IUT as receiver: report error
 - * 2.1.1.1.5 IUT as sender: timer expiry
- ##### 2.1.1.2 Class 2 single operation invocation
- * 2.1.1.2.1 IUT as sender: receive error
 - * 2.1.1.2.2 IUT as sender: timer expiry
- ##### 2.1.1.3 Class 3 single operation invocation
- * 2.1.1.3.1 IUT as sender: receive result
 - * 2.1.1.3.2 IUT as sender: timer expiry
- ##### 2.1.1.4 Class 4 single operation invocation
- * 2.1.1.4.1 IUT as sender

Superseded by a more recent version

2.1.2	Invoke component, linked operations
*	2.1.2.1 Class 1 original operation invocation
*	2.1.2.1.1 IUT as sender: receive a linked Class 1 operation invocation, report result
*	2.1.2.1.2 IUT as receiver: send a linked Class 1 operation invocation, receive result
*	2.1.2.1.3 IUT as sender: receive a linked Class 1 operation invocation, report error
	2.1.2.1.4 IUT as receiver: send a linked Class 1 operation invocation, receive error
	2.1.2.2 Class 4 original operation invocation
*	2.1.2.2.1 IUT as sender: receive a linked Class 2 operation invocation, no outcome
*	2.1.2.2.2 IUT as receiver: send a linked Class 2 operation invocation, timer expiry
2.1.3	Remote Reject
	2.1.3.1 Remote Reject by CSL
	2.1.3.1.1 General problem code
	2.1.3.1.2 Invoke problem code
	2.1.3.1.3 Return Result problem code
	2.1.3.1.4 Return Error problem code
	2.1.3.2 Remote Reject by TC-User
	2.1.3.2.1 Invoke problem code
	2.1.3.2.2 Return Result problem code
	2.1.3.2.3 Return Error problem code
	2.1.3.3 Remote Reject with an Invoke problem code
	2.1.3.3.1 Class 1 operation invocation
	2.1.3.3.2 Class 2 operation invocation
	2.1.3.3.3 Class 3 operation invocation
	2.1.3.3.4 Class 4 operation invocation
2.1.4	Reception of component leading to TC-User reject
	2.1.4.1 Invoke problem
	2.1.4.1.1 Unrecognized operation code
	2.1.4.1.2 Unexpected linked operation
	2.1.4.1.3 Linked response unexpected
	2.1.4.1.4 Wrong type parameter
	2.1.4.2 Return Result problem
	2.1.4.2.1 Wrong type parameter
	2.1.4.3 Return Error problem
	2.1.4.3.1 Unrecognized error
	2.1.4.3.2 Unexpected error
	2.1.4.3.3 Wrong type parameter
2.1.5	Segmentation for Return Result
	2.1.5.1 Class 1 single operation invocation
*	2.1.5.1.1 IUT as sender: receive segmented components
*	2.1.5.1.2 IUT as receiver: send segmented components
	2.1.5.2 Class 3 single operation invocation
*	2.1.5.2.1 IUT as sender: receive segmented component
2.1.6	User Cancel
2.1.7	Encoding Variations
	2.1.7.1 Component length definite short
	2.1.7.2 Component length definite long
	2.1.7.3 Component length indefinite
	2.1.7.4 Value variations
	2.1.7.4.1 Invoke ID
	2.1.7.4.1.1 Invoke ID = -127(FFh)
	2.1.7.4.1.2 Invoke ID = 0 (00h)
	2.1.7.4.2 Global operation code
2.1.8	Multiple components grouping
	2.1.8.1 Multiple operations invocation; receiving success
	2.1.8.2 Multiple operations invocation; reporting success
	2.1.8.3 A malformed component received

Superseded by a more recent version

- 2.2 Syntactically Invalid Behavior
 - 2.2.1 Invalid values for information elements
 - 2.2.1.1 Length of Invoke ID > 1 in Invoke component
 - 2.2.1.2 Length of Invoke ID = 0 in Invoke component
 - 2.2.2 Invalid structure
 - 2.2.2.1 Invoke component
 - 2.2.2.1.1 Invoke ID missing
 - 2.2.2.1.2 Operation code missing
 - 2.2.2.2 Return Result component
 - 2.2.2.2.1 Invoke ID missing
 - 2.2.2.2.2 Operation code missing while parameters included
 - 2.2.2.2.2 Sequence tag missing while parameters included
 - 2.2.2.3 Return Error
 - 2.2.2.3.1 Invoke ID missing
 - 2.2.2.3.2 Error code missing
 - 2.2.2.4 Unknown component type
 - 2.2.2.4.1 Invoke ID unrecognizable
 - 2.2.2.4.2 invoke ID derivable
 - 2.2.3 Invalid encoding for Invoke component
 - 2.2.3.1 Invalid tag
 - 2.2.3.2 Wrong component length
 - 2.2.3.3 Missing EOC in indefinite form
- 2.3 Inopportune behavior
 - 2.3.1 Inopportune Invoke component
 - 2.3.1.1 Invalid linked ID
 - 2.3.2 Unrecognized Invoke ID
 - 2.3.2.1 Inopportune Return Result-Last component
 - 2.3.2.2 Inopportune Return Result Not-Last component
 - 2.3.2.3 Inopportune Return Error component
 - 2.3.2.4 Inopportune Reject component
 - 2.3.3 Unexpected Components
 - 2.3.3.1 Return Result-Last for Class 2
 - 2.3.3.2 Return Result-Last for Class 4
 - 2.3.3.3 Return Result Not-Last for Class 2
 - 2.3.3.4 Return Result Not-Last for Class 4
 - 2.3.3.5 Return Error for Class 3
 - 2.3.3.6 Return Error for Class 4

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 1 single operation invocation; IUT as sender: receive result		
PURPOSE: To verify that a single Class 1 operation can be successfully invoked and the successful completion of the operation can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-RESULT-L ind.</i></p> <p><=====</p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>-----<</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
Component portion in TSL messages Component portion tag: 01101100 Component portion length: correct number of octets INVOKE component in TSL message from SP A to SP B Component type tag: 10100001 (INVOKE) Component length: correct number of octets Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)		

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-user)</p> <p>RETURN RESULT-LAST component in TSL messages from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.2		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 1 single operation invocation; IUT as receiver: report result		
PURPOSE: To verify that a Class 1 operation can be successfully invoked and the successful completion of the operation can be sent		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div>TC-INVOKE ind.</div><div><=====</div><div>TC-RESULT-L req.</div><div>=====></div><div>RETURN-RESULT-LAST (i)</div><div>-----></div></div><div>SP B (CSL)</div><div>INVOKE (i)</div><div><-----</div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOKE ID IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
5.	CHECK D: WAS THE OPERATION CODE IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL messages from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.3		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 1 single operation invocation; IUT as sender: receive error		
PURPOSE: To verify that a Class 1 operation can be successfully invoked and the unsuccessful completion of the operation can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Error component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i></div><div>=====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-U-ERROR ind.</i></div><div><=====</div></div><div><div>SP B (CSL)</div><div><-----</div><div>RETURN ERROR (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN ERROR COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL messages from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y (y is a valid error code)</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.4		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 1 single operation invocation; IUT as receiver: report error		
PURPOSE: To verify that a Class 1 operation can be successfully invoked and the unsuccessful completion of the operation can be sent		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the TC-User at SP A such that a Return-Error component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div>SP B (CSL)</div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><</div></div></div></div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR COMPONENT in TSL message from SP A to SP B</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.1.5		Sheet: 1 of 1
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 1 single operation invocation; IUT as sender: timer expiry		
PURPOSE: To verify that a Class 1 operation can be successfully invoked and the timer expiry indication can be delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that no component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div><div>INVOKE (i).</div><div>-----</div><div>></div></div><div>timer expiry for invocation (i)</div><div><div>TC-L-CANCEL ind. (i)</div><div>=====</div><div>></div></div></div><div>SP B (CSL)</div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE COMPONENT FLOW AS SHOWN ABOVE?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div> <div>Operation code tag: 00000010 (local) or 00000110 (global)</div> <div>Operation code length: correct number of octets (e.g. 00000001 if x is one octet long)</div> <div>Operation code: x (x represents a valid operation code)</div> <div>parameters (provided by the TC-User)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.2.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 2 single operation invocation; IUT as sender: receive error		
PURPOSE: To verify that a Class 2 operation can be successfully invoked and the failure report can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Error component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-U-ERROR ind.</i> <=====</div></div><div><div>SP B (CSL)</div><div>RETURN ERROR (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 2 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN ERROR COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR COMPONENT in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.2.2		Sheet: 1 of 1
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 2 single operation invocation; IUT as sender: timer expiry		
PURPOSE: To verify that a Class 2 operation can be successfully invoked and the timer expiry indication can be delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that no component will be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL) <i>TC-INVOKE req.</i> =====> INVOKE (i) timer expiry for invocation (i) <i>TC-L-CANCEL ind.</i> <=====</div><div> <</div></div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.3.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 3 single operation invocation; IUT as sender: receive result		
PURPOSE: To verify that a single Class 3 operation can be successfully invoked and the successful report of the operation can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-RESULT-L ind.</i> <=====</div></div> <div><div>SP B (CSL)</div><div><-----</div><div>RETURN RESULT-LAST (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 3 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.1.3.2		Sheet: 1 of 1
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 3 single operation invocation; IUT as sender: timer expiry		
PURPOSE: To verify that a Class 3 operation can be successfully invoked and the timer expiry indication can be delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that no component will be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div><div>INVOKE (i)</div><div>timer expiry for invocation (i)</div></div><div><div>TC-L-CANCEL ind.</div><div><=====</div></div></div><div><div>SP B (CSL)</div><div><div>-----></div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 3 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE COMPONENT FLOW AS SHOWN ABOVE?	
4.	CHECK C: WAS THE TC-USER AT SP A INFORMED OF TIMER EXPIRY?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div> <div>Operation code tag: 00000010 (local) or 00000110 (global)</div> <div>Operation code length: correct number of octets (e.g. 00000001 if x is one octet long)</div> <div>Operation code: x (x represents a valid operation code)</div> <div>parameters (provided by the TC-User)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.1.4.1		Sheet: 1 of 1
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, unlinked operations		
SUBTITLE: Class 4 single operation invocation; IUT as sender		
PURPOSE: To verify that a Class 4 operation can be successfully initiated and no response is received.		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL) <i>TC-INVOKE req.</i> =====></div><div>INVOKE (i) timer expiry for invocation (i) <i>TC-L-CANCEL ind.</i> <=====</div><div>-----></div><div>SP B (CSL)</div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 4 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE TC-USER AT SP A INFORMED OF TIMER EXPIRY?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div> <div>Operation code tag: 00000010 (local) or 00000110 (global)</div> <div>Operation code length: correct number of octets (e.g. 00000001 if x is one octet long)</div> <div>Operation code: x (x represents a valid operation code)</div> <div>parameters (provided by the TC-User)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.1		Sheet: 1 of 3
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 1 original operation invocation; IUT as sender: receive a linked Class 1 operation invocation, report result		
PURPOSE: To verify that a linked Class 1 operation can be successfully received and the successful completion of the original operation can be performed		
PRE-TEST CONDITIONS 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a linked Invoke component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i> =====></p> <p>INVOKE (i) -----></p> <p><i>TC-INVOKE ind.</i> <=====</p> <p><i>TC-RESULT-L req.</i> =====></p> <p>RETURN-RESULT-LAST (j) -----></p> <p><i>TC-RESULT-L ind.</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (j, i)</p> <p>RETURN-RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
5.	CHECK D: WAS THE INVOKE ID IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT SENT BY SP B ?	
6.	CHECK E: WAS THE OPERATION CODE IN THE RETURN RESULT-LAST COMPONENT SENT BY SP A THE SAME AS THE ONE IN THE INVOKE COMPONENT SENT BY SP B ?	
7.	CHECK F: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
8.	CHECK G: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.1	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message sent by SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in 2nd TSL message sent by SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.1	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) (see Note) Operation code: y (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.2		Sheet: 1 of 3
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 1 original operation invocation; IUT as receiver: send a linked Class 1 operation invocation, receive result		
PURPOSE: To verify that a linked Class 1 operation can be successfully invoked and the successful completion of the original operation can be performed		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component which will invoke a linked operation		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE ind.</i></p> <p><i>TC-INVOKE req.</i></p> <p>INVOKE (j, i)</p> <p><i>TC-RESULT-L ind.</i></p> <p><i>TC-RESULT-L req.</i></p> <p>RETURN-RESULT-LAST (i)</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> <p>RETURN RESULT-LAST (j)</p> </div> </div> <pre> sequenceDiagram participant SP_A as SP A (CSL) participant SP_B as SP B (CSL) SP_B-->>SP_A: INVOKE (i) SP_A-->>SP_B: TC-INVOKE ind. SP_A-->>SP_B: TC-INVOKE req. SP_A-->>SP_B: INVOKE (j, i) SP_B-->>SP_A: RETURN RESULT-LAST (j) SP_A-->>SP_B: TC-RESULT-L ind. SP_A-->>SP_B: TC-RESULT-L req. SP_A-->>SP_B: RETURN-RESULT-LAST (i) </pre>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE LINKED ID THE SAME AS THE ORIGINAL INVOKE ID SENT BY SP B?	
5.	CHECK D: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
6.	CHECK E: WAS THE SECOND RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
7.	CHECK F: WAS THE INVOKE ID IN THE SECOND RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE ORIGINAL INVOKE COMPONENT SENT BY SP B?	
8.	CHECK G: WAS THE OPERATION CODE IN THE SECOND RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE ORIGINAL INVOKE COMPONENT ?	
9.	CHECK H: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.2	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in initial TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message sent from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message sent by SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.2	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) (see Note) Operation code: y (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message sent by SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.3		Sheet: 1 of 3
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 1 original operation invocation; IUT as sender: receive a linked Class 1 operation invocation, report error		
PURPOSE: To verify that a linked Class 1 operation can be successfully received and the reporting error will not impact the completion of the original operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a linked invocation can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-INVOKE ind.</i></p> <p><=====</p> <p><i>TC-U-ERROR req.</i></p> <p>=====></p> <p>RETURN-ERROR (j)</p> <p>-----></p> <p><i>TC-RESULT-L ind.</i></p> <p><=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (j, i)</p> <p>-----<</p> <p>RETURN-RESULT-LAST (i)</p> <p>-----<</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE RETURN ERROR COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
5.	CHECK D: WAS THE INVOKE ID IN THE RETURN ERROR COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT SENT BY SP B ?	
6.	CHECK E: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
7.	CHECK F: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.3	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in the TSL messages sent by SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in the TSL message sent by SP A</p> <p>Component type tag: 10100010 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.3	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Error code tag: 00000010 (local) or 00000110 (global) (see Note) Error code length: correct number of octets (e.g. 00000001 if z is one octet long) (see Note) Error code: z (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in the TSL message sent by SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.4		Sheet: 1 of 3
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 1 original operation invocation; IUT as receiver: send a linked Class 1 operation invocation, receive error		
PURPOSE: To verify that a linked Class 1 operation can be successfully invoked and the receiving error will not impact the completion of the original operation		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW</p> <div> <div>SP A (CSL)</div> <div> <div> <div>TC-INVOKE ind.</div> <div><=====</div> </div> <div> <div>TC-INVOKE req.</div> <div>=====></div> </div> <div> <div>INVOKE (j, i)</div> <div>-----></div> </div> <div> <div>TC-U-ERROR ind.</div> <div><=====</div> </div> <div> <div>TC-RESULT-L req.</div> <div>=====></div> </div> <div> <div>RETURN-RESULT-LAST (i)</div> <div>-----></div> </div> </div> <div> <div>SP B (CSL)</div> <div> <div>INVOKE (i)</div> <div><-----</div> </div> <div> <div>RETURN ERROR (j)</div> <div><-----</div> </div> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE LINKED ID THE SAME AS THE ORIGINAL INVOKE ID SENT BY SP B?	
5.	CHECK D: WAS THE RETURN ERROR COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
6.	CHECK E: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
7.	CHECK F: WAS THE INVOKE ID IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE ORIGINAL INVOKE COMPONENT SENT BY SP B ?	
8.	CHECK G: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.4	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message S from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL messages by SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message sent by SP B</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.1.4	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if z is one octet long) Error code: z</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message sent by SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.2.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 4 original operation invocation; IUT as sender: receive a linked Class 2 operation invocation, no outcome		
PURPOSE: To verify that a linked Class 2 operation can be successfully received and the successful completion of the original Class 4 operation can be performed		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains a Class 4 Invoke component 2) Arrange the data at SP B such that a linked Class 2 Invoke component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div><div>INVOKE (i)</div><div>-----></div><div><div><-----</div><div>INVOKE (j, i)</div></div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div>timer expiry for invocation (i)</div><div><div>TC-L-CANCEL ind.</div><div><=====</div></div></div><div>SP B (CSL)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.2.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message sent by SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.2.2.2		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Invoke component, Linked operations		
SUBTITLE: Class 4 original operation invocation; IUT as receiver: send a linked Class 2 operation invocation, timer expiry		
PURPOSE: To verify that a linked Class 2 operation can be successfully invoked and the successful completion of the original Class 4 operation can be performed		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component which will invoke a Class 2 linked operation		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div><div>TC-INVOKE req.</div><div>=====></div></div><div><div>INVOKE (j, i)</div><div>timer expiry for invocation (j)</div><div>TC-L-CANCEL ind.</div></div></div><div><div>SP B (CSL)</div><div><div>INVOKE (i)</div><div>-----></div></div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a linked operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE LINKED ID THE SAME AS THE ORIGINAL INVOKE ID SENT BY SP B?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in initial TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.2.2.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message sent from SP A to SP B</p> <p>Component type tag: 10100010 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.1		Sheet: 1 of 2
REFERENCES: 3.2.1/Q.774; 3.8.1/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by CSL; General problem code		
PURPOSE: To verify that a remote rejection by CSL with general problem code can be delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component with general problem code can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div><div>INVOKE (i)</div><div>-----></div></div><div><div>TC-R-REJECT ind.</div><div><=====</div></div></div><div><div>SP B (CSL)</div><div><div><div>REJECT (i)</div><div>-----<</div></div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL messages sent from SP B to SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000000 (General Problem) Problem code length: 00000001 Problem code: 00000000 (unrecognized component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.2		Sheet: 1 of 2
REFERENCES: 3.2.1/Q.774; 3.8.2/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by CSL; Invoke problem code		
PURPOSE: To verify that the remote rejection by CSL with Invoke problem code can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP B such that a Reject component with Invoke problem code can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div><div><div>TC-INVOKE ind.</div><div>=====</div><div>></div></div></div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div></div><div><div><div>INVOKE (j,i)</div><div>-----</div><div>></div></div></div><div><div><div>TC-R-REJECT-L ind.</div><div><=====</div><div></div></div></div></div><div><div><-----</div><div>INVOKE (i)</div><div><-----</div><div>REJECT (j)</div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a linked Class 1 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL messages from SP B to SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000101 (unrecognized linked ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.3		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774; 3.8.3/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by CLS; Return Result problem code		
PURPOSE: To verify that a single Class 1 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-RESULT-L req.</div><div>=====></div></div><div><div>RETURN RESULT-LAST (i)</div><div>-----></div></div><div><div>TC-R-REJECT-ind.</div><div><=====</div></div></div><div><div><div>SP B (CSL)</div><div><div>INVOKE (i)</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><</div></div></div></div></div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>Parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000000 (unrecognized Invoke ID)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.4		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774; 3.8.4/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by CLS; Return Error problem code		
PURPOSE: To verify that a single Class 1 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div><div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div></div><div><div><div>TC-U-ERROR req.</div><div>=====></div></div></div></div></div><div><div>RETURN ERROR (i)</div><div><div><div><div><div><div>TC-R-REJECT ind.</div><div><=====</div></div></div></div></div></div><div><div><div><div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div><div><div><div>REJECT (i)</div></div></div></div></div></div></div></div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.1.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP A to SP B</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000001 (unrecognized Invoke ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774; 3.8.2/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by TC-User; Invoke problem code		
PURPOSE: To verify that the remote rejection by TC-User with Invoked problem code can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i></div><div>=====></div><div>INVOKE (i)</div><div><i>TC-U-REJECT ind.</i></div><div><=====</div></div><div><div>SP B (CSL)</div><div>REJECT (i)</div></div><div><div>-----></div><div><-----</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000000 (unrecognized Invoke ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.2		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774; 3.8.3/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by TC-User; Return Result problem code		
PURPOSE: To verify that the remote rejection by TC-User with Return Result problem code can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP B such that a Reject component with Return Result problem code can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE ind.</i> \leftarrow</p> <p><i>TC-RESULT-L req.</i> \Rightarrow</p> <p>RETURN RESULT-LAST (i) \rightarrow</p> <p><i>TC-U-REJECT ind.</i> \leftarrow</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> <p>REJECT (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
Component portion in TSL messages Component portion tag: 01101100 Component portion length: correct number of octets INVOKE component in TSL message from SP B to SP A Component type tag: 10100001 (INVOKE) Component length: correct number of octets Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)		

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.3		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774; 3.8.4/Q.772		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject by TC-User, Return Error problem code		
PURPOSE: To verify that the remote rejection by TC-User with Return Error problem code can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP B such that a Reject component with Return Error problem code can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE ind.</i> \leftarrow</p> <p><i>TC-U-ERROR req.</i> \Rightarrow</p> <p>RETURN ERROR (i)</p> <p><i>TC-U-REJECT ind.</i> \leftarrow</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> <p>\rightarrow</p> <p>REJECT (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
Component portion in TSL messages Component portion tag: 01101100 Component portion length: correct number of octets INVOKE component in TSL message from SP B to SP A Component type tag: 10100001 (INVOKE) Component length: correct number of octets Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)		

Superseded by a more recent version

TEST NUMBER: 2.1.3.2.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP A to SP B</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000010 (unrecognized error)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject with an Invoke problem code; Class 1 operation invocation		
PURPOSE: To verify that a single Class 1 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-U-REJECT ind.</i> <=====</div><div><div>SP B (CSL)</div><div><-----</div><div>REJECT (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 1 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.2		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject with an Invoke problem code; Class 2 operation invocation		
PURPOSE: To verify that a single Class 2 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-U-REJECT ind.</i> <=====</div><div><div>SP B (CSL)</div><div><-----</div><div>REJECT (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 2 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.3		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject with an Invoke problem code; Class 3 operation invocation		
PURPOSE: To verify that a single Class 3 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>-----></div></div><div><div>INVOKE (i)</div><div>-----></div><div><-----</div></div><div><div>TC-U-REJECT ind.</div><div><=====</div></div></div><div><div>SP B (CSL)</div><div><div><-----</div><div>REJECT (i)</div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 3 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.4		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Remote Reject		
SUBTITLE: Remote Reject with an Invoke problem code; Class 4 operation invocation		
PURPOSE: To verify that a single Class 4 operation can be successfully invoked and the remote rejection can be received and delivered to the TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Reject component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><-----</div><div><i>TC-U-REJECT ind.</i> <=====</div><div>SP B (CSL)</div><div>REJECT (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 4 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.3.3.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP B to SPA</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.1		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Invoke problem; Unrecognized operation code		
PURPOSE: To verify that a rejection of a requested operation can be performed		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE ind.</i></p> <p>=====</p> <p><i>TC-U-REJECT req.</i></p> <p>=====</p> <p>REJECT (i)</p> </div> <div style="width: 10%; text-align: center;"> <p><-----</p> <p>-----></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with an unrecognized operation code.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p>		

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents an invalid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message sent from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE problem type) Problem code length: 00000001 Problem code: 00000001 (unrecognized operation)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.2		Sheet: 1 of 3
REFERENCE: 3.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Invoke problem; Unexpectedd linked operation		
PURPOSE: To verify that a rejection can be successfully initiated due to an unexpected linked operation and without affecting the original invocation.		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that an Invoke with a linked ID is contained in an appropriate TSL message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i> =====></p> <p>INVOKE (i) -----></p> <p><i>TC-INVOKE ind.</i> <=====</p> <p><i>TC-U-REJECT req.</i> =====></p> <p>REJECT (j) -----></p> <p><i>TC-RESULT-L ind.</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (j, i)</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an unlinked operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT PASSED TO THE TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
5.	CHECK D: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE INVOKE ID IN THE INVOKE COMPONENT SENT BY SP B?	
6.	CHECK E: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.2	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in the TSL message sent by SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i (i is an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents an operation code not linked to x)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message sent by SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000111 (unexpected linked operation)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.2	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.3		Sheet: 1 of 3
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Invoke problem; Linked response unexpected		
PURPOSE: To verify that an unexpected linked response can be rejected		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component which will invoke a linked operation 2) Arrange the data at SP B such that a linked response contains at least one parameter which is not associated with the outcome of the operation		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i> =====></p> <p>INVOKE (i) -----></p> <p><i>TC-INVOKE ind.</i> <=====</p> <p><i>TC-U-REJECT req.</i> =====></p> <p>REJECT (j) -----></p> <p><i>TC-RESULT-L ind</i> <=====</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>INVOKE (j, i)</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS A LINKED INVOKE COMPONENT PASSED TO THE TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
5.	CHECK D: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
6.	CHECK E: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.3	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code that does not allow any linked operation)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in the TSL message sent from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message sent by SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.3	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000111 (linked response unexpected)</p> <p>RETURN RESULT-LAST component in TSL message by SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.4		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Invoke problem; Wrong type parameter		
PURPOSE: To verify that a rejection of a requested operation can be performed		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-U-REJECT req.</div><div>=====></div></div><div><div>REJECT (i)</div><div>-----></div></div></div><div><div>SP B (CSL)</div><div><div>INVOKE (i)</div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with a wrong type parameter included.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.4.1.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User, including at least one parameter which is not one of those associated with the operation)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (Invoke problem type) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.2.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Return Result problem; Wrong type parameter		
PURPOSE: To verify that a rejection can be successfully initiated due to an invalid operation code included in the Return Result-Last component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for Class 1 or 3 2) Arrange the data at SP B such that a Return Result-Last with an invalid operation code is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i> =====></p> <p>INVOKE (i) -----></p> <p><i>TC-RESULT-L ind.</i> <=====</p> <p><i>TC-U-REJECT req.</i> =====></p> <p>REJECT (i) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B. Generate a response from SP B to SP A with a valid Invoke ID but a different operation code.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) (see Note) Operation code: y (y is different from x) (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000010 (wrong type parameter)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Return Error problem; Unrecognized error		
PURPOSE: To verify that a rejection can be successfully initiated due to an unrecognized error code included in the Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component of Class 1 2) Arrange the data at SP B such that a Return Error with an invalid error code is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><u>TC-INVOKE req.</u> =====></p> <p>INVOKE (i) -----></p> <p><u>TC-U-ERROR ind.</u> <=====</p> <p><u>TC-U-REJECT req.</u> =====></p> <p>REJECT (i) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>RETURN ERROR (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate A Class 1 operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A with a valid Invoke ID but an invalid error code for this operation.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN ERROR COMPONENT PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y (y is an invalid error code for this operation)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000010 (unrecognized error)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.2		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Return Error problem; Unexpected error		
PURPOSE: To verify that a rejection can be successfully initiated due to an unexpected error code included in the Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component of Class 1 2) Arrange the data at SP B such that a Return Error with an unexpected error code is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i> =====></p> <p>INVOKE (i) -----></p> <p><i>TC-U-ERROR ind.</i> <=====</p> <p><i>TC-U-REJECT req.</i> =====></p> <p>REJECT (i) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>RETURN ERROR (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A with a valid Invoke ID but an unexpected error code for this operation.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN ERROR COMPONENT PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y (y is an error code that is not one of those which the invoked operation may report)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000011 (unexpected error)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.3		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Valid Functions; Reception of component leading to TC-User reject		
SUBTITLE: Return Error problem; Wrong type parameter		
PURPOSE: To verify that a rejection can be successfully initiated due to a wrong type parameter included in the Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component of Class 1 2) Arrange the data at SP B such that a Return Error with a wrong type parameter is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><u>TC-INVOKE req.</u> =====></p> <p>INVOKE (i) -----></p> <p><u>TC-U-ERROR ind.</u> <=====</p> <p><u>TC-U-REJECT req.</u> =====></p> <p>REJECT (i) -----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>RETURN ERROR (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A with a valid Invoke ID but a wrong type parameter for this operation.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN ERROR COMPONENT PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.4.3.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y (y is a valid error code for this operation)</p> <p>parameters (provided by the TC-User, including at least one parameter tag which is not one of those associated with the outcome of the operation)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000100 (wrong type parameter)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.5.1.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid Functions; Segmentation for Return Result		
SUBTITLE: Class 1 single operation invocation; IUT as sender: receive segmented components		
PURPOSE: To verify that a single Class 1 operation can be completed by receiving segmented Return Result components		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result Not-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div><div>INVOKE (i)</div><div>-----></div><div><div><-----</div><div>RETURN RESULT NOT-LAST (i)</div></div><div><div>TC-RESULT-NL ind.</div><div><=====</div><div></div></div><div><div><-----</div><div>RETURN RESULT-LAST (i)</div></div><div><div>TC-RESULT-L ind.</div><div><=====</div><div></div></div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT NOT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.5.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.5.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.5.2.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid functions; Segmentation for Return Result		
SUBTITLE: Class 3 single operation invocation; IUT as sender: Receive segmented component		
PURPOSE: To verify that a single Class 3 operation can be completed by receiving segmented Return Result components		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result Not-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div><div>SP A (CSL) <i>TC-INVOKE req.</i> =====> INVOKE (i) -----> -----< <i>TC-RESULT-NL ind.</i> -----< -----< <i>TC-RESULT-L ind.</i> -----<</div><div>SP B (CSL) RETURN RESULT NOT-LAST (i) RETURN RESULT-LAST (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a single Class 3 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT NOT-LAST COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A ?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
Component portion in TSL messages Component portion tag: 01101100 Component portion length: correct number of octets INVOKE component in TSL message from SP A to SP B Component type tag: 10100001 (INVOKE) Component length: correct number of octets Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)		

Superseded by a more recent version

TEST NUMBER: 2.1.5.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.6		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Valid functions		
SUBTITLE: User Cancel		
PURPOSE: To verify that an operation invocation can be canceled by TC-User		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT and CPT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div></div><div><div>INVOKE (i)</div><div>-----></div></div><div><div>TC-U-CANCEL req.</div><div>=====</div><div>></div></div><div><div>REJECT (i)</div><div>-----></div></div></div><div><div><div><div><-----</div><div>RETURN-RESULT-LAST (i)</div></div></div></div></div></div>		
TEST DESCRIPTION		
<div>1.</div>	<div>Initiate a single Class 1 operation invocation from SP A to SP B. Arrange TC-User to cancel the operation immediately after the Invoke component is sent.</div>	
<div>2.</div>	<div>CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?</div>	
<div>3.</div>	<div>CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?</div>	
<div>4.</div>	<div>CHECK C: WAS THE COMPONENT FLOW AS SHOWN ABOVE?</div>	
<div>5.</div>	<div>CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?</div>	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div><div>Component portion tag: 01101100</div><div>Component portion length: correct number of octets</div></div> <div>INVOKE component in TSL message from SP A to SP B</div> <div><div>Component type tag: 10100001 (INVOKE)</div><div>Component length: correct number of octets</div></div> <div><div>Invoke ID tag: 00000010</div><div>Invoke ID length: 00000001 (one octet)</div><div>Invoke ID: i (i represents an integer)</div></div>		

Superseded by a more recent version

TEST NUMBER: 2.1.6	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.1		Sheet: 1 of 2
REFERENCE: 3.3/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Component length definite short		
PURPOSE: To verify that a component portion with a definite short form can be accepted		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP A such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-RESULT-L req.</div><div>=====></div></div><div>RETURN RESULT-LAST (i) -----></div></div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 or 3 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets (definite short form)</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100011 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.2		Sheet: 1 of 2
REFERENCE: 3.3/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Component length definite long		
PURPOSE: To verify that a component portion with a definite long form can be accepted		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP A such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div>TC-INVOKE ind.</div><div><=====</div><div>TC-RESULT-L req.</div><div>=====></div><div>RETURN RESULT-LAST (i)</div></div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div><div><-----</div><div>-----></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 or 3 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets (definite long)</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00000010 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.3		Sheet: 1 of 2
REFERENCE: 3.3/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Component length indefinite		
PURPOSE: To verify that a component portion with a indefinite form can be accepted		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component 2) Arrange the data at SP A such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-RESULT-L req.</div><div>=====></div></div><div><div>RETURN RESULT-LAST (i)</div><div>-----></div></div></div><div><div>SP B (CSL)</div><div><div>INVOKE (i)</div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 or 3 operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets (indefinite form)</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>EOC Tag: 0000 0000 EOC Length: 0000 0000</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.1.1		Sheet: 1 of 2
REFERENCE: 6.2/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Value variations; Invoke ID; Invoke ID = -127 (FFh)		
PURPOSE: To verify that the IUT (SP A) is able to deal with correct encoding of component ID (upper value)		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-RESULT-L req.</div><div>=====></div></div><div>RETURN RESULT-LAST (i) -----></div></div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP B to SP A with Invoke ID set to 11111111.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOKE ID IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
5.	CHECK D: WAS THE OPERATION CODE IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: 11111111 (FFh)</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 11111111 (FFh)</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.1.2		Sheet: 1 of 2
REFERENCE: 6.2/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Value variations; Invoke ID; Invoke ID = 0 (00h)		
PURPOSE: To verify that the IUT (SP A) is able to deal with correct encoding of component ID (lower value)		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-INVOKE ind.</div><div><=====</div></div><div><div>TC-RESULT-L req.</div><div>=====></div></div><div>RETURN RESULT-LAST (i) -----></div></div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP B to SP A with Invoke ID set to 0.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION PASSED TO TC-USER BY SP A?	
3.	CHECK B: WAS THE RETURN RESULT-LAST COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOKE ID IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
5.	CHECK D: WAS THE OPERATION CODE IN THE RETURN RESULT-LAST COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: 0</div>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 0</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.2		Sheet: 1 of 2
REFERENCE: 6.3/Q.773		
TITLE: Valid functions; Encoding variations		
SUBTITLE: Value variations; Global operation code		
PURPOSE: To verify that a global operation code is correctly decoded by TCAP		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with a global operation code. The global value does not correspond to a supported operation		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE ind.</i></p> <p><i>TC-U-REJECT req.</i></p> <p>REJECT (i)</p> </div> <div style="width: 10%; text-align: center;"> <p><-----</p> <p>=====</p> <p>=====</p> <p>-----></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with a non-supported global operation code.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000110 (global)</p> <p>Operation code length: 00000011 (3)</p> <p>Operation code: 0000 0000 0001 0001 1000 0101</p>		

Superseded by a more recent version

TEST NUMBER: 2.1.7.4.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000001 (INVOKE problem type) Problem code length: 00000001 Problem code: 00000001 (unrecognized operation)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.8.1		Sheet: 1 of 2
REFERENCE: Q.774		
TITLE: Valid functions; Multiple components grouping		
SUBTITLE: Multiple operations invocation; receiving success		
PURPOSE: To verify that multiple operations can be successfully invoked and the successful completions of the operations can be received		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains multiple components 2) Arrange the TC-User at SP B to send successful completions with an appropriate TSL message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req. (#1)</i> =====></p> <ul style="list-style-type: none"> • • • <p><i>TC-INVOKE req. (#n)</i> =====></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p style="text-align: center;">INVOKE #1, ..., #n^{a)} -----></p> <p style="text-align: center;">RETURN RESULT-LAST #1, ..., #n^{a)} -----<</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><i>TC-RESULT-L ind. (#1)</i> =====<</p> <ul style="list-style-type: none"> • • • <p><i>TC-RESULT-L ind. (#n)</i> =====<</p> </div> </div> <p>a) The sequence of the components is provided by the TC-User</p> <p>NOTE – Number of components is subject to the TC-User</p>		
TEST DESCRIPTION		
1.	Initiate multiple operations within a TSL message from SP A to SP B.	
2.	CHECK A: WERE ALL THE INVOKE COMPONENTS WITHIN A TSL MESSAGE SENT BY SP A WITH CORRECT INFORMATION?	
3.	CHECK B: WERE ALL THE RETURN-LAST COMPONENTS INSIDE A TSL MESSAGE PASSED TO TC-USER IN THE SAME ORDER AS PROVIDED BY SP B WITH CORRECT INFORMATION?	
4.	CHECK C: WERE ALL THE INVOKE STATE MACHINES (1, ..., n) IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.1.8.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: 1, or, ..., n corresponding to the INVOKE #1, ..., #n</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x1, ..., xn representing valid operation codes</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 1, or, ..., n</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x1, or, ..., xn (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.8.2		Sheet: 1 of 2
REFERENCE: Q.774		
TITLE: Valid functions; Multiple components grouping		
SUBTITLE: Multiple operations invocation; reporting success		
PURPOSE: To verify that multiple operations can be successfully invoked and the successful completions of the operations can be sent		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains multiple components 2) Arrange the TC-User at SP A to send successful completions with an appropriate TSL message		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> SP A (CSL) SP B (CSL) </div> <div style="text-align: center; margin: 10px 0;"> INVOKE #1, ..., #n^{a)} <----- </div> <div style="margin-left: 20px;"> TC-INVOKE ind. (#1) <===== </div> <div style="margin-left: 20px;"> • • • </div> <div style="margin-left: 20px;"> TC-INVOKE ind. (#n) <===== </div> <div style="margin-left: 20px;"> TC-RESULT-L req. (#1) =====> </div> <div style="margin-left: 20px;"> • • • </div> <div style="margin-left: 20px;"> TC-RESULT-L req. (#n) =====> </div> <div style="text-align: center; margin-top: 20px;"> RETURN RESULT-LAST #n, ..., #1^{a)} -----> </div> <p>^{a)} The sequence of the components is provided by the TC-User</p> <p>NOTE – Number of components is subject to the TC-User</p>		
TEST DESCRIPTION		
1.	Initiate multiple operations within a TSL message from SP B to SP A.	
2.	CHECK A: WERE ALL THE INVOKE COMPONENTS WITHIN A TSL MESSAGE PASSED TO TC-USER IN THE SAME ORDER AS PROVIDED BY SP B WITH CORRECT INFORMATION?	
3.	CHECK B: WERE ALL THE RETURN RESULT-LAST COMPONENTS WITHIN A TSL MESSAGE SENT BY SP A WITH CORRECT INFORMATION?	
4.	CHECK C: WAS THE INVOKE ID IN EACH OF THE RETURN RESULT-LAST COMPONENTS ONE-TO-ONE CORRESPONDENT WITH THE ONE IN EACH OF THE INVOKE COMPONENTS?	

Superseded by a more recent version

TEST NUMBER: 2.1.8.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: 1, or, ..., n corresponding to the INVOKE #1, ..., #n</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x1, ..., xn representing valid operation codes</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 1, or, ..., n</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x1, or, ..., xn (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.8.3		Sheet: 1 of 3
REFERENCE: 3.2.2.2/Q.774		
TITLE: Valid functions; Multiple components grouping		
SUBTITLE: A malformed component received		
PURPOSE: To verify that subsequent components in the message can be discarded when a badly structured component is detected by the component sublayer		
PRE-TEST CONDITIONS: Arrange the TC-User stimulus such that an appropriate TSL message generated at SP B contains multiple components, the second of which is badly structured		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div>SP B (CSL)</div><div><div>INVOKE #1, #2, #3 (Note 1)</div><div><-----</div><div>(#2 badly structured, e.g. operation code missing)</div></div><div><div>TC-INVOKE ind. (#1)</div><div><=====</div></div><div><div>TC-L-REJECT ind. (#2)</div><div><=====</div></div><div><div>TC-RESULT-L req. (#1)</div><div>=====></div></div><div><div>REJECT #2, RETURN RESULT-LAST #1</div><div>-----></div><div>(Note 2)</div></div></div>		
<div>NOTES</div> <div><div>1</div><div>The sequence of the Invoke components is important</div></div> <div><div>2</div><div>The sequence of these components is not important</div></div>		
TEST DESCRIPTION		
<div>1.</div>	<div>Initiate multiple operations within a TSL message from SP B to SP A with the order shown in the diagram.</div>	
<div>2.</div>	<div>CHECK A: WAS THE FIRST INVOKE COMPONENT PASSED TO TC-USER?</div>	
<div>3.</div>	<div>CHECK B: WERE ONLY THE RETURN RESULT-LAST COMPONENT FOR THE FIRST OPERATION AND THE REJECT COMPONENT FOR THE SECOND OPERATION SENT BY SP A?</div>	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div><div>Component portion tag: 01101100</div><div>Component portion length: correct number of octets</div></div>		

Superseded by a more recent version

TEST NUMBER: 2.1.8.3	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>INVOKE #1 component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: 1</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x is a valid operation code</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE #2 component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: 2</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE #3 component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: 3</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x is a valid operation code</p> <p>parameters (provided by the TC-User)</p>	

Superseded by a more recent version

TEST NUMBER: 2.1.8.3	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>RETURN RESULT-LAST #1 component in TSL message from SP A to SP B</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 1</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x</p> <p>parameters (provided by the TC-User)</p> <p>REJECT #2 component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: 2</p> <p>Problem code tag: 10000000 (General Problem) Problem code length: 00000001 Problem code: 00000010 (badly structured component)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.1.1		Sheet: 1 of 2
REFERENCE: 6.2/Q.773		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: Length of Invoke ID >1 in Invoke component		
PURPOSE: To verify that a rejection of a requested operation can be performed due to incorrect encoding of component ID (value out of range)		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div><div>TC-L-REJECT ind.</div><div><=====</div></div><div>REJECT (NULL)</div></div><div><div><-----</div><div>-----></div></div></div><div><div>SP B (CSL)</div><div>INVOKE (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with Invoke ID equal to 2 octets (illegal value).	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000010 (two octets)</div> <div>Invoke ID: 129</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (mistyped component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.1.2		Sheet: 1 of 2
REFERENCE: 6.2/Q.773		
TITLE: Syntactically invalid behavior; Invalid values for information elements		
SUBTITLE: Length of Invoke ID = 0 in Invoke component		
PURPOSE: To verify that a rejection of a requested operation can be performed due to incorrect encoding of component ID (length equals 0)		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-L-REJECT ind.</div><div><=====</div><div>REJECT (NULL)</div></div><div><div><-----</div><div>-----></div></div></div><div>SP B (CSL)</div><div>INVOKE</div></div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with Invoke ID equal to 0 octets (illegal value).	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000000 (zero octet)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.1.1		Sheet: 1 of 2
REFERENCE: 6.2/Q.773		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Invoke component; Invoke ID missing		
PURPOSE: To verify that a rejection of a requested operation can be performed due to Invoke ID missing		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p><u><=====</u></p> <p>REJECT (NULL)</p> </div> <div style="width: 10%; text-align: center;"> <p><-----</p> <p>-----></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>INVOKE</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP B to SP A with Invoke ID missing.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets</p> <p>Operation code tag: 00000110 (global)</p> <p>Operation code length: correct number of octets (e.g. 00000001 if x is one octet long)</p> <p>Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.1.2		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Invoke component; Operation code missing		
PURPOSE: To verify that a rejection of a requested operation can be performed due to operation code missing		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with a syntax error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p><u><=====</u></p> <p>REJECT (i)</p> </div> <div style="width: 10%; text-align: center;"> <p><-----</p> <p>-----></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>INVOKE (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with operation code missing.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p> <p>parameters (provided by the TC-User)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.1.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Return Result component; Invoke ID missing		
PURPOSE: To verify that a rejection can be successfully initiated due to the absence of the Invoke ID in the Return Result-Last component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last without an Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i) -----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (NULL) -----> time expiry for invocation (i)</div></div><div><div>SP B (CSL)</div><div><-----</div><div>RETURN RESULT-LAST</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 or 3 operation invocation from SP A to SP B. Generate a response from SP B to SP A without an Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: y (y is different from x) (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p> <p>NOTE – Omitted when no parameter is present</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.2		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Return Result component; Operation code missing while parmeters included		
PURPOSE: To verify that a rejection can be successfully initiated due to the operation code being missing in the Return Result-Last component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for Class 1 or 3 2) Arrange the data at SP B such that a Return Result-Last without an operation code is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div>INVOKE (i)</div><div><div>-----></div><div><-----</div></div><div><div>TC-L-REJECT ind.</div><div><=====</div></div><div>REJECT (i)</div><div>-----></div></div><div><div>SP B (CSL)</div><div>RETURN RESULT-LAST (i)</div></div></div>		
TEST DESCRIPTION		
<div>1.</div>	<div>Initiate an operation invocation from SP A to SP B. Generate a response from SP B to SP A with a valid Invoke ID but a different operation code.</div>	
<div>2.</div>	<div>CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?</div>	
<div>3.</div>	<div>CHECK B: WAS THE REJECT COMPONENT SENT BY SP A?</div>	
<div>4.</div>	<div>CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?</div>	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 Sequence length: correct number of octets</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.3		Sheet: 1 of 2
REFERENCE: 6.4/Q.773; 3.2.2.2/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Return Result component; Sequence tag missing while parameters included		
PURPOSE: To verify that a rejection can be successfully initiated due to Sequence tag missing while parameters included		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that an appropriate TSL message contains a Return Result-Last component with an invalid Sequence tag		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (i)</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>-----<</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
Component portion in TSL messages Component portion tag: 01101100 Component portion length: correct number of octets INVOKE component in TSL message from SP A to SP B Component type tag: 10100001 (INVOKE) Component length: correct number of octets Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)		

Superseded by a more recent version

TEST NUMBER: 2.2.2.2.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (wrong type component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.3.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Syntactically invalid behavior; Invalid structure		
SUBTITLE: Return Error; Invoke ID missing		
PURPOSE: To verify that a rejection can be successfully initiated due to the absence of the Invoke ID in the Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component of the Class 1 2) Arrange the data at SP B such that a Return Error without an Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><div>TC-INVOKE req.</div><div>=====</div><div>></div></div><div>INVOKE (i)</div><div><div>-----</div><div>></div></div><div><div>TC-L-REJECT ind.</div><div><=====</div></div><div>REJECT (NULL)</div><div>time expiry for invocation (i)</div><div><div>-----</div><div>></div></div></div><div><div>SP B (CSL)</div><div>RETURN ERROR</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A without an Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN ERROR) Component length: correct number of octets</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y (y is an error code which the invoked operation may report)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (mistyped component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.3.2		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Return Error; Error code missing		
PURPOSE: To verify that a rejection can be successfully initiated due to the absence of the error code in the Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component of Class 1 2) Arrange the data at SP B such that a Return Error without an error code is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><u>TC-INVOKE req.</u> =====></div><div>INVOKE (i)</div><div>-----></div><div><u>TC-L-REJECT ind.</u> <=====</div><div>REJECT (i)</div><div>-----></div></div> <div><div>SP B (CSL)</div><div><-----</div><div>RETURN ERROR (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 1 operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A with a valid Invoke ID but without error code for this operation..	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A ?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.3.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000101 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000001 (mistyped component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.2.4.1		Sheet: 1 of 1
REFERENCE: 3.2.2.2/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Unknown component type; Invoke ID unrecognized		
PURPOSE: To verify that a rejection can be initiated due to Unknown component type with unrecognized Invoke ID		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Unknown component as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p><u><=====</u></p> <p>REJECT (NULL)</p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>Unknown component</p> <p><-----</p> <p>-----></p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with an Unknown component type with any content.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>Unknown component in TSL message from SP B to SP A</p> <p>Component type tag: any values except 10100001, 10100010, 10100011, 10100100 and 10100111</p> <p>Component length: correct number of octets</p> <p>Component content: any</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT)</p> <p>Component length: correct number of octets</p> <p>NULL tag: 00000101</p> <p>NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type)</p> <p>Problem code length: 00000001</p> <p>Problem code: 00000000 (unrecognized component)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.4.2		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid structure		
SUBTITLE: Unknown component type; Invoke ID derivable		
PURPOSE: To verify that a rejection can be initiated due to Unknown component type with derivable Invoke ID		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Unknown component with a derivable Invoke ID as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p>REJECT (i or NULL)</p> </div> <div style="width: 10%; text-align: center;"> <p><-----</p> <p><=====</p> <p>-----></p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>Unknown component (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with an Unknown component type as described below.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>Unknown component in TSL message from SP B to SP A</p> <p>Component type tag: any values except 10100001, 10100010, 10100011, 10100100 and 10100111</p> <p>Component length: correct number of octets</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global)</p> <p>Operation code length: correct number of octets (e.g. 00000001 if x is one octet long)</p> <p>Operation code: x (x represents an operation code)</p> <p>parameters (provided by the TC-User)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.2.4.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>or</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000000 (unrecognized component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.3.1		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774; 3.2.3/Q.773		
TITLE: Syntactically Invalid Behavior; Invalid encoding for Invoke component		
SUBTITLE: Invalid tag		
PURPOSE: To verify that a rejection is generated because of an invalid tag		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with an error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p><i><=====</i></p> <p>REJECT (i or NULL)</p> </div> <div style="text-align: center;"> <p><i><-----</i></p> <p>INVOKE (i)</p> <p><i>-----></i></p> </div> <div style="text-align: center;"> <p>SP B (CSL)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with an invalid tag.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Invalid tag: 00011111 Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>or</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000010 (badly structured component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.3.2		Sheet: 1 of 2
REFERENCE: 3.2.2.2/Q.774		
TITLE: Syntactically Invalid Behavior; Invalid encoding for Invoke component		
SUBTITLE: Wrong component length		
PURPOSE: To verify that a rejection of a requested operation can be initiated due to wrong component length		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component with a syntax error as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><div><div>TC-L-REJECT ind.</div><div><=====</div></div><div>REJECT (i or NULL)</div></div><div><div><-----</div><div>INVOKE (i)</div><div>-----></div></div><div>SP B (CSL)</div></div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP B to SP A with an invalid component length value.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT ?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP B to SP A</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: wrong number of octets (e.g. 00000000)</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.2.3.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>or</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000010 (badly structured component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.2.3.3		Sheet: 1 of 2
REFERENCE: 3.3/Q.773		
TITLE: Syntactically Invalid Behavior; Invalid encoding for Invoke component		
SUBTITLE: Missing EOC in indefinite form		
PURPOSE: To verify that a component portion with an indefinite form but EOC missing is rejected		
PRE-TEST CONDITIONS: Arrange the stimulus such that an appropriate TSL message generated at SP B contains an Invoke component		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<p>EXPECTED MESSAGE AND COMPONENT FLOW:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>SP A (CSL)</p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (i or NULL)</p> </div> <div style="text-align: center;"> <p><-----</p> <p>INVOKE (i)</p> <p>-----></p> </div> <div style="text-align: center;"> <p>SP B (CSL)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate a single operation invocation from SP B to SP A.	
2.	CHECK A: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100</p> <p>Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP B to SP A</p> <p>Component type tag: 10100001 (INVOKE)</p> <p>Component length: correct number of octets (indefinite form)</p> <p>Invoke ID tag: 00000010</p> <p>Invoke ID length: 00000001 (one octet)</p> <p>Invoke ID: i (i represents an integer)</p>		

Superseded by a more recent version

TEST NUMBER: 2.2.3.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>or</p> <p>NULL tag: 00000101 NULL length: 00000000</p> <p>Problem code tag: 10000000 (General problem type) Problem code length: 00000001 Problem code: 00000010 (badly structured component)</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.1.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Inopportune Behavior; Inopportune Invoke component		
SUBTITLE: Invalid linked ID		
PURPOSE: To verify that a rejection of a requested operation can be initiated due to invalid linked ID		
PRE-TEST CONDITIONS: 1) Arrange the stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a linked Invoke component can be generated as described below		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div><div>-----></div><div><-----</div></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (j) time expiry for invocation (i)</div><div><i>TC-L-CANCEL ind.</i> <=====</div></div><div><div>SP B (CSL)</div><div><div></div><div>INVOKE (j, k)</div></div></div></div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOKE ID IN THE REJECT COMPONENT THE SAME AS THE ONE IN THE INVOKE COMPONENT SENT BY SP B?	
5.	CHECK D: WAS THE INVOCATION STATE MACHINE IDLE AT SP A ?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.1.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>INVOKE component in TSL message sent by SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: j (j represents an integer)</p> <p>Linked ID tag: 10000000 Linked ID length: 00000001 (one octet) Linked ID: k (k is an integer which is different from i)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if y is one octet long) Operation code: y (y represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in the TSL message sent by SP A</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: 00000101 (unrecognized linked ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.1		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Inopportune Behavior; Unrecognized Invoke ID		
SUBTITLE: Inopportune Return Result-Last component		
PURPOSE: To verify that a rejection can be successfully initiated due to an unrecognized Invoke ID (never used and just released) in the received Return Result-Last component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for operation Class 1 or 3 2) Arrange the data at SP B such that a Return Result-Last with an invalid Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (j)</p> <p>time expiry for invocation (i)</p> <p>-----></p> <p><i>TC-L-CANCEL ind.</i></p> <p><=====</p> <p>REJECT (i)</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>-----<</p> <p>RETURN RESULT-LAST (j)</p> <p>-----<</p> <p>RETURN RESULT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B. Generate a response from SP B to SP A with an unrecognized Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A ?	
4.	Generate a Return Result-Last component from SP B to SP A.	
5.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
6.	CHECK D: WAS THE COMPONENT FLOW AS SHOWN IN ABOVE ?	

Superseded by a more recent version

TEST NUMBER: 2.3.2.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j (j is different from i)</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p> <p>The contents of the last two components, RETURN-RESULT-LAST (i) and REJECT (i), are the same as above except the Invoke ID is (i)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.2		Sheet: 1 of 3
REFERENCE: 3.2.2/Q.774		
TITLE: Inopportune Behavior; Unrecognized Invoke ID		
SUBTITLE: Inopportune Return Result Not-Last component		
PURPOSE: To verify that a rejection can be successfully initiated due to an unrecognized Invoke ID (never used and just released) in the received Return Result Not-Last component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for operation Class 1 or 3 2) Arrange the data at SP B such that a Return Result Not-Last with an invalid Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (j)</p> <p>time expiry for invocation (i)</p> <p>-----></p> <p><i>TC-L-CANCEL ind.</i></p> <p><=====</p> <p>REJECT (i)</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>-----<</p> <p>RETURN RESULT NOT-LAST (j)</p> <p>-----<</p> <p>RETURN RESULT NOT-LAST (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B. Generate a response from SP B to SP A with an unrecognized Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A ?	
4.	Generate a Return Result Not-Last component from SP B to SP A.	
5.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
6.	CHECK D: WAS THE COMPONENT FLOW AS SHOWN IN ABOVE ?	

Superseded by a more recent version

TEST NUMBER: 2.3.2.2	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j (j is different from i)</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.2	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.3		Sheet: 1 of 3
REFERENCE: 3.2.2/Q.774		
TITLE: Inopportune Behavior; Unrecognized Invoke ID		
SUBTITLE: Inopportune Return Error component		
PURPOSE: To verify that a rejection can be successfully initiated due to an unrecognized Invoke ID (never used and just released) in the received Return Error component		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for unrecognized operation Class 1 or 2 2) Arrange the data at SP B such that a Return Error with an invalid Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (j)</p> <p>time expiry for invocation (i)</p> <p>-----></p> <p><i>TC-L-CANCEL ind.</i></p> <p><=====</p> <p><i>TC-L-REJECT ind.</i></p> <p><=====</p> <p>REJECT (i)</p> <p>-----></p> </div> <div style="width: 45%; text-align: right;"> <p>SP B (CSL)</p> <p>-----<</p> <p>RETURN ERROR (j)</p> <p>-----<</p> <p>RETURN ERROR (i)</p> </div> </div>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B. Generate an unsuccessful response from SP B to SP A with an invalid Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT SENT BY SP A ?	
4.	Generate a Return Error component from SP B to SP A.	
5.	CHECK C: WAS THE REJECT COMPONENT SENT BY SP A?	
6.	CHECK D: WAS THE COMPONENT FLOW AS ABOVE ?	

Superseded by a more recent version

TEST NUMBER: 2.3.2.3	Sheet: 2 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j (j is different from i)</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.3	Sheet: 3 of 3
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000000 (unrecognized invoke ID)</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.2.4		Sheet: 1 of 2
REFERENCE: 3.2.2/Q.774		
TITLE: Inopportune Behavior; Unrecognized Invoke ID		
SUBTITLE: Inopportune Reject component		
PURPOSE: To verify that receipt of a Reject component with an Invoke ID not corresponding to any active invocation has no effect on an active invocation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component for Class 1 or 2 2) Arrange the data at SP B such that a Reject with an unrecognized Invoke ID is generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SP A (CSL)</p> <p><i>TC-INVOKE req.</i></p> <p>=====></p> <p>INVOKE (i)</p> <p>-----></p> <p><i>TC-R-REJECT ind. a)</i></p> <p><=====</p> <p><i>TC-L-RESULT ind.</i></p> <p><=====</p> </div> <div style="width: 45%;"> <p>SP B (CSL)</p> <p>-----></p> <p>REJECT (j)</p> <p>-----></p> <p>RETURN RESULT-LAST (i)</p> </div> </div> <p>a) The issuing of the TC-R-REJECT ind. is implementation dependent.</p>		
TEST DESCRIPTION		
1.	Initiate an operation invocation from SP A to SP B. Generate a reject from SP B to SP A with an invalid Invoke ID.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	Generate a Reject component from SP B to SP A.	
4.	CHECK B: WAS THE COMPONENT FLOW AS ABOVE?	
5.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	

Superseded by a more recent version

TEST NUMBER: 2.3.2.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Component portion in TSL messages</p> <p>Component portion tag: 01101100 Component portion length: correct number of octets</p> <p>INVOKE component in TSL message from SP A to SP B</p> <p>Component type tag: 10100001 (INVOKE) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 (one octet) Invoke ID: i (i represents an integer)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: j (j is different from i)</p> <p>Problem code tag: 10000001 (INVOKE) Problem code length: 00000001 Problem code: any value</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000101 (Global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.1		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Result-Last for Class 2		
PURPOSE: To verify that a rejection can be sent if a Return Result-Last component is received for a Class 2 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (i)</div><div>-----></div><div><div>SP B (CSL)</div><div><-----</div><div>RETURN RESULT-LAST (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 2 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.1	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000001 (return result unexpected)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.2		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Result-Last for Class 4		
PURPOSE: To verify that a rejection can be sent if a Return Result-Last component is received for a Class 4 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (i)</div><div>-----></div></div><div><div>SP B (CSL)</div><div><-----</div><div>RETURN RESULT-LAST (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 4 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.2	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100010 (RETURN RESULT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000001 (return result unexpected)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.3		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Result Not-Last for Class 2		
PURPOSE: To verify that a rejection can be sent if a Return Result Not-Last component is received for a Class 2 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result Not-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (i)</div><div>-----></div><div>SP B (CSL)</div><div>RETURN RESULT NOT-LAST (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 2 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.3	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000001 (return result unexpected)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.4		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Result Not-Last for Class 4		
PURPOSE: To verify that a rejection can be sent if a Return Result Not-Last component is received for a Class 4 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Result Not-Last component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (i)</div><div>-----></div></div><div><div>SP B (CSL)</div><div>RETURN RESULT NOT-LAST (i)</div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 4 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.4	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN RESULT NOT-LAST component in TSL message from SP B to SP A</p> <p>Component type tag: 10100111 (RETURN RESULT NOT-LAST) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Sequence tag: 00110000 (see Note) Sequence length: correct number of octets (see Note)</p> <p>Operation code tag: 00000010 (local) or 00000110 (global) (see Note) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) (see Note) Operation code: x (see Note)</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000010 (RETURN RESULT) Problem code length: 00000001 Problem code: 00000001 (return result unexpected)</p> <p>NOTE – Omitted when no parameter is present.</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.5		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Error for Class 3		
PURPOSE: To verify that a rejection can be sent if a Return Error component is received for a Class 3 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Error component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
<div>EXPECTED MESSAGE AND COMPONENT FLOW:</div> <div><div>SP A (CSL)</div><div><i>TC-INVOKE req.</i> =====></div><div>INVOKE (i)</div><div>-----></div><div><i>TC-L-REJECT ind.</i> <=====</div><div>REJECT (i)</div><div>-----></div></div> <div><div>SP B (CSL)</div><div><-----</div><div>RETURN ERROR (i)</div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 3 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.5	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000001 (unexpected return error)</p>	

Superseded by a more recent version

TEST NUMBER: 2.3.3.6		Sheet: 1 of 2
REFERENCE: 3.2.1/Q.774		
TITLE: Inopportune Behavior; Unexpected Components		
SUBTITLE: Return Error for Class 4		
PURPOSE: To verify that a rejection can be sent if a Return Error component is received for a Class 4 operation		
PRE-TEST CONDITIONS: 1) Arrange the TC-User stimulus such that an appropriate TSL message generated at SP A contains an Invoke component 2) Arrange the data at SP B such that a Return Error component can be generated		
CONFIGURATION: 1	TYPE OF TEST: VAT	TYPE OF SP: SP
EXPECTED MESSAGE AND COMPONENT FLOW: <div><div>SP A (CSL) <i>TC-INVOKE req.</i> =====> INVOKE (i) <i>TC-L-REJECT ind.</i> <=====</div><div><div>-----> -----< RETURN ERROR (i) -----></div></div></div>		
TEST DESCRIPTION		
1.	Initiate a Class 4 operation invocation from SP A to SP B.	
2.	CHECK A: WAS THE INVOKE COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
3.	CHECK B: WAS THE REJECT COMPONENT WITH CORRECT INFORMATION SENT BY SP A?	
4.	CHECK C: WAS THE INVOCATION STATE MACHINE IDLE AT SP A?	
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES		
<div>Component portion in TSL messages</div> <div>Component portion tag: 01101100</div> <div>Component portion length: correct number of octets</div> <div>INVOKE component in TSL message from SP A to SP B</div> <div>Component type tag: 10100001 (INVOKE)</div> <div>Component length: correct number of octets</div> <div>Invoke ID tag: 00000010</div> <div>Invoke ID length: 00000001 (one octet)</div> <div>Invoke ID: i (i represents an integer)</div>		

Superseded by a more recent version

TEST NUMBER: 2.3.3.6	Sheet: 2 of 2
CHECK TABLE FOR COMPONENTS WITHIN MESSAGES	
<p>Operation code tag: 00000010 (local) or 00000110 (global) Operation code length: correct number of octets (e.g. 00000001 if x is one octet long) Operation code: x (x represents a valid operation code)</p> <p>parameters (provided by the TC-User)</p> <p>RETURN ERROR component in TSL message from SP B to SP A</p> <p>Component type tag: 10100011 (RETURN ERROR) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Error code tag: 00000010 (local) or 00000110 (global) Error code length: correct number of octets (e.g. 00000001 if y is one octet long) Error code: y</p> <p>parameters (provided by the TC-User)</p> <p>REJECT component in TSL message from SP A to SP B</p> <p>Component type tag: 10100100 (REJECT) Component length: correct number of octets</p> <p>Invoke ID tag: 00000010 Invoke ID length: 00000001 Invoke ID: i</p> <p>Problem code tag: 10000011 (RETURN ERROR) Problem code length: 00000001 Problem code: 00000001 (unexpected return error)</p>	