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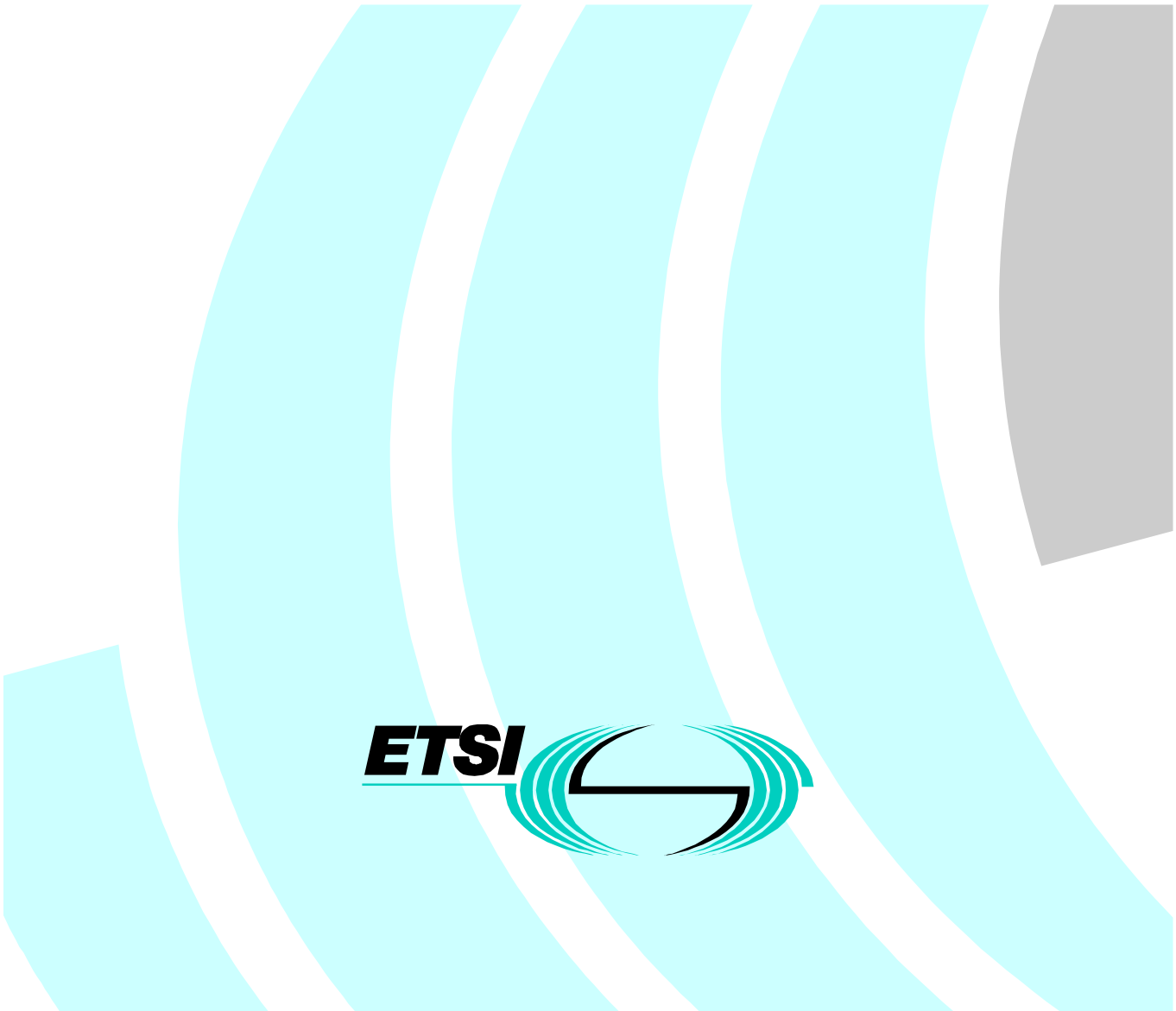
Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 6: Test Suite Structure and Test Purposes (TSS&TP) specification for the network



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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN), and is now submitted for the ETSI standards One-step Approval Procedure.

The present document is part 6 of a multi-part EN covering the Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control, as identified below:

Part 1: "Protocol specification [ITU-T Recommendation Q.931 (1993), modified]";

Part 2: "Specification and Description Language (SDL) diagram";

Part 3: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 4: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";

Part 5: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 6: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";

Part 7: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

Proposed national transposition dates	
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1 Scope

The present document specifies the network Test Suite Structure and Test Purposes (TSS&TP) for the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [9]) of implementations conforming to the standards for the signalling network layer for circuit-mode basic call control of the Digital Subscriber Signalling System No. one (DSS1) protocol for the pan-European Integrated Services Digital Network (ISDN), EN 300 403-1 [1] and ETS 300 403-2 [2].

A further part of the present document specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on the present document. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the User side of the T reference point or coincident S and T reference point of implementations conforming to EN 300 403-1 [1] and ETS 300 403-2 [2].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] EN 300 403-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".

[2] ETS 300 403-2 (1995): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 2: Specification and Description Language (SDL) diagrams".

[3] ETS 300 403-3 (1996): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 3: Protocol Implementation Conformance Statement (PICS) proforma specification".

[4] ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[5] ISO/IEC 9646-2 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".

[6] ISO/IEC 9646-3 (1997): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: The Tree and Tabular Combined Notation (TTCN)".

[7] ITU-T Recommendation E.164 (1991): "The international public telecommunication numbering plan".

[8] ITU-T Recommendation I.112 (1993): "Vocabulary for terms for ISDNs".

[9] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".

3 Definitions and abbreviations

3.1 Definitions

3.1.1 Definitions related to conformance testing

For the purposes of the present document, the following terms and definitions apply, in addition to those given in EN 300 403-1 [1].

abstract test case: refer to ISO/IEC 9646-1 [4].

Abstract Test Method (ATM): refer to ISO/IEC 9646-1 [4].

Abstract Test Suite (ATS): refer to ISO/IEC 9646-1 [4].

active test: test case where the IUT is required to send a particular message, but not in reaction to a received message. This would usually involve the use of PIXIT information to see how this message can be generated and quite often is specified in an ATS using an implicit send event.

Implementation Under Test (IUT): refer to ISO/IEC 9646-1 [4].

implicit send event: refer to ISO/IEC 9646-3 [6].

lower tester: refer to ISO/IEC 9646-1 [4].

passive test: test case where the IUT is required to respond to a protocol event (e.g. received message) with another protocol event (sends message) and which normally does not require any special operator intervention such as is associated with the implicit send event.

point of control and observation: refer to ISO/IEC 9646-1 [4].

Protocol Implementation Conformance Statement (PICS): refer to ISO/IEC 9646-1 [4].

PICS proforma: refer to ISO/IEC 9646-1 [4].

Protocol Implementation eXtra Information for Testing (PIXIT): refer to ISO/IEC 9646-1 [4].

PIXIT proforma: refer to ISO/IEC 9646-1 [4].

system under test: refer to ISO/IEC 9646-1 [4].

Test Purpose (TP): refer to ISO/IEC 9646-1 [4].

3.1.2 Definitions related to EN 300 403-1

Integrated Services Digital Network (ISDN): see ITU-T Recommendation I.112 [8], definition 308.

ISDN number: number conforming to the numbering and structure specified in ITU-T Recommendation E.164 [7].

network: DSS1 protocol entity at the Network side of the user-network interface where a T reference point or coincident S and T reference point applies.

network (S/T): DSS1 protocol entity at the Network side of the user-network interface where a coincident S and T reference point applies.

network (T): DSS1 protocol entity at the Network side of the user-network interface where a T reference point applies (user is the private ISDN).

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ATM	Abstract Test Method
ATS	Abstract Test Suite
CES	Connection Endpoint Suffix
DSS1	Digital Subscriber Signalling System No. one
I	Inopportune stimulus
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
N00	Null call state
N02	Overlap Sending call state
N03	Outgoing Call Proceeding call state
N04	Call Delivered call state
N06	Call Present call state
N07	Call Received call state
N09	Incoming Call Proceeding call state
N10	Active call state
N12	Disconnect Indication call state
N19	Release Request call state
N22	Call Abort call state
N25	Overlap Receiving call state
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
R00	Restart Null call state
R01	Restart Request call state
S	Syntactically invalid stimulus
SEG	message Segmentation procedure
TP	Test Purpose
TSS	Test Suite Structure
V	Valid stimulus

4 Test Suite Structure (TSS)

- Null call state N00
  - Valid
    - Outgoing call
    - Incoming call - point-to-point configuration
    - Incoming call - point-to-multipoint configuration
    - Call rearrangement
  - Inopportune
  - Syntactically invalid
- Overlap Sending call state N02
  - Valid
  - Inopportune
  - Syntactically invalid
- Outgoing Call Proceeding call state N03
  - Valid
  - Inopportune
  - Syntactically invalid
- Call Delivered call state N04
  - Valid
  - Inopportune
  - Syntactically invalid

- Call Present call state N06
    - Valid
        - Point-to-point configuration
        - Point-to-multipoint configuration
    - Inopportune
    - Syntactically invalid
- Call Received call state N07
    - Valid
        - Point-to-point configuration
        - Point-to-multipoint configuration
    - Inopportune
    - Syntactically invalid
- Incoming Call Proceeding call state N09
    - Valid
        - Point-to-point configuration
        - Point-to-multipoint configuration
    - Inopportune
    - Syntactically invalid
- Active call state N10 (Incoming call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Active call state N10 (Outgoing call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Disconnect Indication call state N12 (Incoming call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Disconnect Indication call state N12 (Outgoing call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Release Request call state N19 (Incoming call)
    - Valid
    - Inopportune
    - Syntactically invalid

Figure 1 (sheet 1 of 2): Test suite structure

- Release Request call state N19 (Outgoing call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Call Abort call state N22
- Overlap Receiving call state N25
    - Valid
        - Point-to-point configuration
        - Point-to-multipoint configuration
    - Inopportune
    - Syntactically invalid
- Restart Null call state R00 (Incoming call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Restart Null call state R00 (Outgoing call)
    - Valid
    - Inopportune
    - Syntactically invalid
- Restart Request call state R01
    - Valid
    - Inopportune
    - Syntactically invalid
- Message segmentation procedure
    - Valid
    - Inopportune
    - Syntactically invalid

Figure 1 (sheet 2 of 2): Test suite structure

5 Test Purposes (TP)

5.1 Introduction

For each test requirement, a TP is defined.

5.1.1 TP naming convention

TPs are numbered, starting at 001, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual test suite and whether it applies to the network or the user (see table 1).

Table 1: TP identifier naming convention scheme

Identifier:	**<layer iut>_<state>_<group>_<nnn>**		
<layer iut>	=	layer + type of IUT:	e.g. "L3N" for layer 3, IUT = network
<state>	=	call state:	e.g. N10 for Active call state
<group>	=	group:	one character field representing the group reference according to TSS V: Valid stimulus I: Inopportune stimulus S: Syntactically invalid stimulus
<nnn>	=	sequential number:	(001-999)

5.1.2 Source of TP definition

The TPs are based on EN 300 403-1 [1] and ETS 300 403-2 [2].

5.1.3 TP structure

Each TP has been written in a manner which is consistent with all other TPs. The intention of this is to make the TPs more readable and checkable. A particular structure has been used which is illustrated in table 2. This table should be read in conjunction with any TP, i.e. please use a TP as an example to facilitate the full comprehension of table 2.

Table 2: Structure of a single TP

TP part	Text	Example
Header	**<Identifier>** *tab* **<subclause number in base EN 300 403-1 [**1**]>**	see table 1 **subclause 2.3.4**
Stimulus	Ensure that the IUT in the <basic call state> <trigger> *see below for message structure* *or* <goal>	 N00, N10, etc. on receipt of a XXXX message (see note 2) to request a...
Reaction	<action> <conditions> *if the action is sending* *see below for message structure* <next action>, *etc.* *and* remains in the same state *or* and enters state <state>	sends, saves, does, etc. using en bloc sending, etc.
Message structure	<message type> message *a)* with a <info element> information element *b)* indicating in the <field name> <coding of the field> and *back to a) or b)*	SETUP, FACILITY, CONNECT, etc. (see note 2) Bearer capability, Facility, etc.
NOTE 1: Text in italics will not appear in TPs and text between <> is filled in for each TP and may differ from one TP to the next. NOTE 2: All messages shall be considered as "valid and compatible" unless otherwise specified in the test purpose.		

5.1.4 Test strategy

As the base standard EN 300 403-1 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETS 300 403-3 [3]. The criteria applied include the following:

- only the requirements from the point of view of the T or coincident S and T reference point are considered;
- whether or not a test case can be built from the TP is not considered.

5.1.5 Test of call states

Many TPs include a reference to the IUT's final call state after the realization of the TP. In these cases the TP includes the requirement to ensure that the IUT has entered this particular final call state. Ensuring that the IUT is in a particular call state shall be realized by following the procedures described in subclause 5.8.10 of EN 300 403-1 [1]. According to these procedures, the IUT on receipt of a STATUS ENQUIRY message, shall respond with a STATUS message indicating, in the third octet of the Call state information element, the current call state of the IUT. This exchange of messages is not mentioned explicitly in each TP but is considered to be implicit in the reference to the final call state. This way of phrasing the TPs has been used to avoid over-complicating the text and structure of the TPs and to improve the readability.

5.1.6 Test of point-to-multipoint configurations

In subclauses 5.2.1, 5.2.5, 5.2.6, 5.2.7 and 5.2.15 (call states Null N00, Call Present N06, Call Received N07, Incoming Call Proceeding N09 and Overlap Receiving N25) a distinction is made between point-to-point and point-to-multipoint configurations. In the case of a point-to-multipoint configuration several terminals may be attached to one basic access interface. Each terminal will use a different Connection Endpoint Suffix (CES). To reflect this in the TPs the CES for which a message is received or sent (e.g. "... on receipt of an ALERTING message for CES1...") is named explicitly where this clarification is needed.

5.1.7 Test of inopportune and syntactically invalid behaviour

In the test groups for inopportune and syntactically invalid behaviour the procedures as described in subclause 5.8 of EN 300 403-1 [1] are tested. This is done in each call state with one message for each of the described error cases. Messages have been chosen that are, if they are received without the inopportune or erroneous coding, expected messages in the call states under test.

Test purposes for inopportune behaviour that is described outside the subclause 5.8 of EN 300 403-1 [1] are found in the valid test groups. This was done, as these procedures are seen more as a part of the basic call procedures than as a part of the error handling procedures.

5.2 TPs for the basic call control, layer 3, network

All PICS items referred to in this subclause are as specified in ETS 300 403-3 [3] unless indicated otherwise by another numbered reference.

5.2.1 Null call state N00

5.2.1.1 Valid

5.2.1.1.1 Outgoing call

L3N_N00_V_001 subclause 5.1.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message during an all channels busy condition, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 34 "no circuit/channel available" and remains in the Null call state N00.

L3N_N00_V_002 subclauses 5.1.2 a) and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends SETUP ACKNOWLEDGE message with the Channel identification information element indicating the requested B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Overlap Sending call state N02.

L3N_N00_V_003 subclauses 5.1.2 a) and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends CALL PROCEEDING message with the Channel identification information element indicating the requested B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_004 subclause 5.1.2 a)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with the Channel identification information element indicating a B-channel that is not available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 34 "no circuit/channel available" or 44 "requested circuit/channel not available" and remains in the Null call state.

L3N_N00_V_005 subclause 5.1.2 a)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with the Channel identification information element indicating a B-channel that is not subscribed and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 82 "identified channel does not exist" and remains in the Null call state.

Selection: IUT is a primary rate access. PICS: R 6.2.

L3N_N00_V_006 subclauses 5.1.2 b) and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "indicated channel is preferred", sends a SETUP ACKNOWLEDGE message with the Channel identification information element indicating the requested B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Overlap Sending call state N02.

L3N_N00_V_007 subclauses 5.1.2 b) and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with the Channel identification information element indicating a B-channel that is not available and indicating in the preferred/exclusive bit "indicated channel is preferred", sends a SETUP ACKNOWLEDGE message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Overlap Sending call state N02.

L3N_N00_V_008 subclauses 5.1.2 b) and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "indicated channel is preferred", sends CALL PROCEEDING message with the Channel identification information element indicating the requested B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_009 subclauses 5.1.2 b) and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with the Channel identification information element indicating a B-channel that is not available and indicating in the preferred/exclusive bit "indicated channel is preferred", sends CALL PROCEEDING message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_010 subclause 5.1.2 b)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with the Channel identification information element indicating a B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", when there is no channel available, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 34 "no circuit/channel available" or 44 "requested circuit/channel not available" and remains in the Null call state.

L3N_N00_V_011 subclauses 5.1.2 c) and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with the Channel identification information element indicating in the Info channel selection "any channel", sends a SETUP ACKNOWLEDGE message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Overlap Sending call state N02.

L3N_N00_V_012 subclauses 5.1.2 c) and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and without the Channel identification information element, sends a SETUP ACKNOWLEDGE message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Overlap Sending call state N02.

L3N_N00_V_013 subclauses 5.1.2 c) and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with the Channel identification information element indicating in the Info channel selection "any channel", sends CALL PROCEEDING message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_014 subclauses 5.1.2 c) and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and without the Channel identification information element, sends CALL PROCEEDING message with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_015 subclause 5.1.2 c)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with the Channel identification information element indicating in the Info channel selection "any channel", when there is no channel available, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 34 "no circuit/channel available" or 44 "requested circuit/channel not available" and remains in the Null call state.

L3N_N00_V_016 subclause 5.1.2 c)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without the Channel identification information element, when there is no channel available, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 34 "no circuit/channel available" or 44 "requested circuit/channel not available" and remains in the Null call state.

L3N_N00_V_017 subclause 5.1.3 a)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and without Sending complete information element, sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

L3N_N00_V_018 subclauses 5.1.3 b) and c)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element indicating incomplete number information and without a Sending complete information element, sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

L3N_N00_V_019 subclauses 5.1.1 and 5.1.4

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element indicating incomplete number information and with a Sending complete information element: either

- sends a RELEASE COMPLETE message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and remains in the Null call state N00; or

- sends a CALL PROCEEDING message followed by a DISCONNECT message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12.

L3N_N00_V_020 subclauses 5.1.1 and 5.1.4

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element indicating invalid number information and with a Sending complete information element: either

- sends a RELEASE COMPLETE message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and remains in the Null call state N00; or

- sends a CALL PROCEEDING message followed by a DISCONNECT message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12.

L3N_N00_V_021 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information and without a Sending complete information element either

- sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03; or

- sends a SETUP ACKNOWLEDGE message followed by a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

NOTE: The IUT may wait on the expiry of T302 before it sends the CALL PROCEEDING message.

L3N_N00_V_022 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information and with a Sending complete information element, sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

L3N_N00_V_023 subclauses 5.1.1 and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 0 "speech", sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

Selection: IUT supports the information transfer capability speech. PICS: ISn 1.2.1.

L3N_N00_V_024 subclauses 5.1.1 and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 8 "unrestricted digital information", sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

Selection: IUT supports the information transfer capability unrestricted digital information. PICS: ISn 1.2.2.

L3N_N00_V_025 subclauses 5.1.1 and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 16 "3,1 kHz audio", sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

Selection: IUT supports the information transfer capability 3,1 kHz audio. PICS: ISn 1.2.4.

L3N_N00_V_026 subclauses 5.1.1 and 5.1.3

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message without Called party number and Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 17 "unrestricted digital information with tones/announcements", sends a SETUP ACKNOWLEDGE message and enters the Overlap Sending call state N02.

Selection: IUT supports the information transfer capability unrestricted digital information with tones/announcements. PICS: ISn 1.2.5.

L3N_N00_V_027 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 0 "speech", sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

Selection: IUT supports the information transfer capability speech. PICS: ISn 1.2.1.

L3N_N00_V_028 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 8 "unrestricted digital information", sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

Selection: IUT supports the information transfer capability unrestricted digital information. PICS: ISn 1.2.2.

L3N_N00_V_029 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 16 "3,1 kHz audio", sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

Selection: IUT supports the information transfer capability 3,1 kHz audio. PICS: ISn 1.2.4.

L3N_N00_V_030 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Called party number information element providing the complete called party information, with a Sending complete information element and with a Bearer capability information element indicating the information transfer capability value 17 "unrestricted digital information with tones/announcements", sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

Selection: IUT supports the information transfer capability unrestricted digital information with tones/announcements. PICS: ISn 1.2.5.

L3N_N00_V_031 subclauses 5.1.1 and 5.1.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a Bearer capability information element indicating a service that is not authorized or not available, sends a RELEASE COMPLETE message indicating in the Cause information element one of the cause values 57 "bearer capability not authorized", 58 "bearer capability not available", 63 "service or option not available, unspecified" or 65 "bearer service not implemented" and remains in the Null call state N00.

5.2.1.1.2 Incoming call - point-to-point configuration

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N00_V_032 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-point configuration, sends a SETUP message using the point-to-point data link and enters the Call Present call state N06.

L3N_N00_V_033 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-point configuration, sends a SETUP message using the point-to-point data link with the Called party number information element providing the complete called party information and enters the Call Present call state N06.

Selection: IUT supports en-bloc receiving procedures. PICS: MCn 2.1.

L3N_N00_V_034 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-point configuration, sends a SETUP message using the point-to-point data link without the Sending complete information element and enters the Call Present call state N06.

Selection: IUT supports overlap receiving procedures. PICS: MCn 2.2.

L3N_N00_V_035 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = speech) to a point-to-point configuration, sends a SETUP message using the point-to-point data link with a Bearer capability information element indicating the information transfer capability value 0 "speech" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability speech. PICS: ISn 1.2.1.

L3N_N00_V_036 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = unrestricted digital information) to a point-to-point configuration, sends a SETUP message using the point-to-point data link with a Bearer capability information element indicating the information transfer capability value 8 "unrestricted digital information" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability unrestricted digital information. PICS: ISn 1.2.2.

L3N_N00_V_037 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = 3,1 kHz audio) to a point-to-point configuration, sends a SETUP message using the point-to-point data link with a Bearer capability information element indicating the information transfer capability value 16 "3,1 kHz audio" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability 3,1 kHz audio. PICS: ISn 1.2.4.

L3N_N00_V_038 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = unrestricted digital information with tones/announcements) to a point-to-point configuration, sends a SETUP message using the point-to-point data link with a Bearer capability information element indicating the information transfer capability value 17 "unrestricted digital information with tones/announcements" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability unrestricted digital information with tones/announcements. PICS: ISn 1.2.5.

L3N_N00_V_039 subclauses 5.2.1 and 5.11.2

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call for which fallback to an alternative bearer capability is allowed to a point-to-point configuration, sends a SETUP message using the point-to-point data link with two Bearer capability information elements and enters the Call Present call state N06.

Selection: IUT supports procedures for Bearer capability selection at the destination side. PICS: MCn 21.2.

L3N_N00_V_040 subclauses 5.2.1 and 5.12.2

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call for which high layer compatibility selection is allowed to a point-to-point configuration, sends a SETUP message using the point-to-point data link with two High layer compatibility information elements and enters the Call Present call state N06.

Selection: IUT supports procedures for High layer compatibility selection at the destination side. PICS: MCn 22.2.

5.2.1.1.3 Incoming call - point-to-multipoint configuration

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N00_V_041 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with the Channel identification information element indicating a B-channel that is available and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Call Present call state N06.

L3N_N00_V_042 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with the Called party number information element providing the complete called party information and enters the Call Present call state N06.

Selection: IUT supports en-bloc receiving procedures. PICS: MCn 2.1.

L3N_N00_V_043 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link without the Sending complete information element and enters the Call Present call state N06.

Selection: IUT supports overlap receiving procedures. PICS: MCn 2.2.

L3N_N00_V_044 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = speech) to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with a Bearer capability information element indicating the information transfer capability value 0 "speech" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability speech. PICS: ISn 1.2.1.

L3N_N00_V_045 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = unrestricted digital information) to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with a Bearer capability information element indicating the information transfer capability value 8 "unrestricted digital information" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability unrestricted digital information. PICS: ISn 1.2.2.

L3N_N00_V_046 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = 3,1 kHz audio) to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with a Bearer capability information element indicating the information transfer capability value 16 "3,1 kHz audio" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability 3,1 kHz audio. PICS: ISn 1.2.4.

L3N_N00_V_047 subclause 5.2.1

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call (bearer service = unrestricted digital information with tones/announcements) to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with a Bearer capability information element indicating the information transfer capability value 17 "unrestricted digital information with tones/announcements" and enters the Call Present call state N06.

Selection: IUT supports the information transfer capability unrestricted digital information with tones/announcements. PICS: ISn 1.2.5.

L3N_N00_V_048 subclauses 5.2.1 and 5.11.2

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call for which fallback to an alternative bearer capability is allowed to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with two Bearer capability information elements and enters the Call Present call state N06.

Selection: IUT supports procedures for Bearer capability selection at the destination side. PICS: MCn 21.2.

L3N_N00_V_049 subclauses 5.2.1 and 5.12.2

Ensure that the IUT in the Null call state N00, to indicate the arrival of a call for which high layer compatibility selection is allowed to a point-to-multipoint configuration, sends a SETUP message using the broadcast data link with two High layer compatibility information elements and enters the Call Present call state N06.

Selection: IUT supports procedures for High layer compatibility selection at the destination side. PICS: MCn 22.2.

5.2.1.1.4 Call rearrangement

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N00_V_050 subclause 5.6.4

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (call identity assigned), on receipt of a RESUME message with a Call identity information element indicating the call identity as used in the call suspension procedure, sends a RESUME ACKNOWLEDGE message with the Channel identification information element indicating the B-channel that was reserved and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Active call state N10.

L3N_N00_V_051 subclause 5.6.4

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (no call identity assigned), on receipt of a RESUME message without a Call identity information element, sends a RESUME ACKNOWLEDGE message with the Channel identification information element indicating the B-channel that was reserved and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable" and enters the Active call state N10.

L3N_N00_V_052 subclause 5.6.5

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (call identity assigned), on receipt of a RESUME message with a Call identity information element indicating another call identity as used in the call suspension procedure, sends a RESUME REJECT message with the Cause information element indicating the cause value 83 "a suspended call exists, but this call identity does not" and re-enters the Null call state N00.

L3N_N00_V_053 subclause 5.6.5

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (call identity assigned), on receipt of a RESUME message without a Call identity information element, sends a RESUME REJECT message with the Cause information element indicating the cause value 83 "a suspended call exists, but this call identity does not" and re-enters the Null call state N00.

L3N_N00_V_054 subclause 5.6.5

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (no call identity assigned), on receipt of a RESUME message with a Call identity information element indicating a call identity, sends a RESUME REJECT message with the Cause information element indicating the cause value 83 "a suspended call exists, but this call identity does not" and re-enters the Null call state N00.

L3N_N00_V_055 subclause 5.6.5

Ensure that the IUT in the Null call state N00, when no suspended call exists, on receipt of a RESUME message, sends a RESUME REJECT message with the Cause information element indicating the cause value 85 "no call suspended" and re-enters the Null call state N00.

L3N_N00_V_056 subclause 5.6.5

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension and after the timeout of the mandatory timer T307, on receipt of a RESUME message, sends a RESUME REJECT message with the Cause information element indicating the cause value 85 "no call suspended" and re-enters the Null call state N00.

L3N_N00_V_057 subclause 5.6.5

Ensure that the IUT in the Null call state N00 after a successfully terminated call suspension (call identity assigned), when the remote user has cleared the call, on receipt of a RESUME message with a Call identity information element indicating the call identity as used in the call suspension procedure, sends a RESUME REJECT message with the Cause information element indicating the cause value 85 "no call suspended" or 86 "call having the requested call identity has been cleared" and re-enters the Null call state N00.

5.2.1.2 Inopportune

L3N_N00_I_001 subclause 5.8.3.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message using the dummy call reference, sends no message and remains in the Null call state N00.

L3N_N00_I_002 subclause 5.8.3.2 a)

Ensure that the IUT in the Null call state N00, on receipt of an inopportune message (DISCONNECT, call reference not recognized as relating to a call), sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00.

L3N_N00_I_003 subclause 5.8.3.2 b)

Ensure that the IUT in the Null call state N00, on receipt of a RELEASE message, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Null call state N00.

L3N_N00_I_004 subclause 5.8.3.2 c)

Ensure that the IUT in the Null call state N00, on receipt of a RELEASE COMPLETE message, sends no message and remains in the Null call state N00.

L3N_N00_I_005 subclause 5.8.3.2 d)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a call reference flag bit set to 1, sends no message and remains in the Null call state N00.

L3N_N00_I_006 subclause 5.8.3.2 d)

Ensure that the IUT in the Null call state N00, on receipt of a RESUME message with a call reference flag bit set to 1, sends no message and remains in the Null call state N00.

Selection: IUT supports the processing of a call rearrangement request. PICS: MC 6.

L3N_N00_I_007 subclause 5.8.3.2 f)

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Null call state N00.

L3N_N00_I_008 subclauses 5.8.3.2 g) and 5.8.11

Ensure that the IUT in the Null call state N00, on receipt of a STATUS message with a Call state information element indicating a call state other than the Null call state, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 101 "message not compatible with call state" and enters the Release Request call state N19 or remains in the Null call state N00.

L3N_N00_I_009 subclauses 5.8.3.2 g) and 5.8.11

Ensure that the IUT in the Null call state N00, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and remains in the Null call state N00.

L3N_N00_I_010 subclauses 5.8.3.2 g) and 5.8.11

Ensure that the IUT in the Null call state N00, on receipt of a STATUS message using the global call reference and with a Call state information element indicating a call state other than the Null call state, sends no message and remains in the Null call state N00.

L3N_N00_I_011 subclauses 5.8.3.2 h) and 5.8.10

Ensure that the IUT in the Null call state N00, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Null call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Null call state N00.

L3N_N00_I_012 subclause 5.8.5.2

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a duplicated Called party number information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

L3N_N00_I_013 subclause 5.8.8

Ensure that the IUT in the Null call state N00, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Null call state N00.

5.2.1.3 Syntactically invalid

L3N_N00_S_001 subclause 5.8.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Null call state N00.

L3N_N00_S_002 subclause 5.8.2

Ensure that the IUT in the Null call state N00, on receipt of a message which is too short, sends no message and remains in the Null call state N00.

L3N_N00_S_003 subclause 5.8.3.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with an invalid call reference format (octet 1, bits 8 - 5 ≠ '0000'B), sends no message and remains in the Null call state N00.

L3N_N00_S_004 subclause 5.8.3.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Null call state N00.

L3N_N00_S_005 subclause 5.8.3.2 a)

Ensure that the IUT in the Null call state N00, on receipt of a message with an unrecognized message type, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00.

L3N_N00_S_006 subclauses 5.8.5.1 and 5.8.6.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a mandatory information element out of sequence, processes the message as valid or sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Null call state N00.

L3N_N00_S_007 subclause 5.8.5.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a non-mandatory information element out of sequence, processes the message as valid.

L3N_N00_S_008 subclause 5.8.6.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a mandatory information element missing, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Null call state N00.

L3N_N00_S_009 subclause 5.8.6.2

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a mandatory information element content error, sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Null call state N00.

L3N_N00_S_010 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with an unrecognized information element (coded comprehension required), sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Null call state N00.

L3N_N00_S_011 subclause 5.8.7.1

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with an unrecognized information element (coded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_N00_S_012 subclause 5.8.7.2

Ensure that the IUT in the Null call state N00, on receipt of a SETUP message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.2 Overlap Sending call state N02

5.2.2.1 Valid

L3N_N02_V_001 subclause 5.1.5.2 b)

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an INFORMATION message with a Called party number information element providing the complete called party information and without a Sending complete information element, sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

NOTE: The IUT may wait on the expiry of T302 before it sends the CALL PROCEEDING message.

L3N_N02_V_002 subclause 5.1.5.2 a)

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an INFORMATION message with a Called party number information element providing the complete called party information and with a Sending complete information element, sends a CALL PROCEEDING message and enters the Outgoing Call Proceeding call state N03.

L3N_N02_V_003 subclause 5.1.5.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an INFORMATION message with a Called party number information element providing incomplete called party information and without a Sending complete information element, sends no message and remains in the Overlap Sending call state N02.

L3N_N02_V_004 subclauses 5.1.4 and 5.1.5.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an INFORMATION message with a Called party number information element providing incomplete called party information and with a Sending complete information element: either

- sends a DISCONNECT message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12; or

- sends a CALL PROCEEDING message followed by a DISCONNECT message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12.

L3N_N02_V_005 subclauses 5.1.4 and 5.1.5.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an INFORMATION message with a Called party number information element providing invalid called party information, sends a DISCONNECT message indicating in the Cause information element one of the cause values 1 "unassigned (unallocated) number", 3 "no route to destination", 22 "number changed" or 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12.

L3N_N02_V_006 subclauses 5.1.4 and 5.1.5.2

Ensure that the IUT in the Overlap Sending call state N02, when the complete called party information has not yet been received, on the expiry of the mandatory timer T302: either

- sends a DISCONNECT message with a Cause information element indicating the cause value 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12; or
- sends a CALL PROCEEDING message followed by a DISCONNECT message with a Cause information element indicating the cause value 28 "invalid number format (incomplete number)" and enters the Disconnect Indication call state N12.

L3N_N02_V_007 subclauses 5.1.5.2 and 5.1.7

Ensure that the IUT in the Overlap Sending call state N02, to indicate that remote user alerting has been initiated, sends an ALERTING message and enters the Call Delivered call state N04.

L3N_N02_V_008 subclauses 5.1.5.2 and 5.1.8

Ensure that the IUT in the Overlap Sending call state N02, to indicate that the remote user has answered the call, sends a CONNECT message and enters the Active call state N10.

L3N_N02_V_009 subclauses 5.1.5.2 and 5.3.3

Ensure that the IUT in the Overlap Sending call state N02, when the requested service is not authorized or not available, sends a DISCONNECT message indicating in the Cause information element one of the cause values 57 "bearer capability not authorized", 58 "bearer capability not available", 63 "service or option not available, unspecified" or 65 "bearer service not implemented" and enters the Disconnect Indication call state N12.

L3N_N02_V_010 subclause 5.3.3

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N02_V_011 subclause 5.1.6

Ensure that the IUT in the Overlap Sending call state N02, to indicate that the call may leave an ISDN environment, sends a PROGRESS message and remains in the Overlap Sending call state N02.

L3N_N02_V_012 clause 5

Ensure that the IUT in the Overlap Sending call state N02, to provide additional information, sends an INFORMATION message and remains in the Overlap Sending call state N02.

L3N_N02_V_013 subclause 5.8.10

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Overlap Sending call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Overlap Sending call state N02.

5.2.2.2 Inopportune

L3N_N02_I_001 subclause 5.8

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Overlap Sending call state N02 or processes the message as valid.

L3N_N02_I_002 subclause 5.8.3.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message using the dummy call reference, sends no message and remains in the Overlap Sending call state N02.

L3N_N02_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Overlap Sending call state N02 for CR1, on receipt of a DISCONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Overlap Sending call state N02 for CR1.

L3N_N02_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Overlap Sending call state N02.

L3N_N02_I_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Overlap Sending call state N02.

L3N_N02_I_006 subclause 5.8.4

Ensure that the IUT in the Overlap Sending call state N02, on receipt of an inopportune message (ALERTING), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Overlap Sending call state N02.

L3N_N02_I_007 subclause 5.8.4

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N02_I_008 subclause 5.8.4

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N02_I_009 subclause 5.8.5.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a INFORMATION message with a duplicated Called party number information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

L3N_N02_I_010 subclause 5.8.8 a)

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DL-ESTABLISH-INDICATION, sends a DISCONNECT message with a Cause information element indicating the cause value 41 "temporary failure" and enters the Disconnect Indication call state N12.

L3N_N02_I_011 subclause 5.8.11

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.2.3 Syntactically invalid

L3N_N02_S_001 subclause 5.8.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Overlap Sending call state N02.

L3N_N02_S_002 subclause 5.8.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a message which is too short, sends no message and remains in the Overlap Sending call state N02.

L3N_N02_S_003 subclause 5.8.3.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Overlap Sending call state N02.

L3N_N02_S_004 subclause 5.8.3.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Overlap Sending call state N02.

L3N_N02_S_005 subclause 5.8.4

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Overlap Sending call state N02.

L3N_N02_S_006 subclause 5.8.6.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N02_S_007 subclause 5.8.6.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N02_S_008 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension required), sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N02_S_009 subclause 5.8.7.1

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension not required), sends a RELEASE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Release Request call state N19.

L3N_N02_S_010 subclause 5.8.7.2

Ensure that the IUT in the Overlap Sending call state N02, on receipt of a DISCONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.3 Outgoing Call Proceeding call state N03

5.2.3.1 Valid

L3N_N03_V_001 subclause 5.1.7

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to indicate that remote user alerting has been initiated, sends an ALERTING message and enters the Call Delivered call state N04.

L3N_N03_V_002 subclause 5.1.8

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to indicate that the remote user has answered the call, sends a CONNECT message and enters the Active call state N10.

L3N_N03_V_003 subclauses 5.1.8 and 5.11.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, when fallback to an alternative bearer capability is allowed, to indicate that the remote user has answered the call, sends a CONNECT message with a Bearer capability information element and enters the Active call state N10.

Selection: IUT supports procedures for Bearer capability selection at the originating side. PICS: MCn 21.1.

L3N_N03_V_004 subclauses 5.1.8 and 5.12.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, when fallback to an alternative high layer compatibility is allowed, to indicate that the remote user has answered the call, sends a CONNECT message with a High layer compatibility information element and enters the Active call state N10.

Selection: IUT supports procedures for High layer compatibility selection at the originating side. PICS: MCn 22.1.

L3N_N03_V_005 subclause 5.1.8

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N03_V_006 subclause 5.2.5.4

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to indicate that the called party does not respond, sends a DISCONNECT message with a Cause information element indicating the cause value 18 "no user responding" and enters the Disconnect Indication call state N12.

L3N_N03_V_007 subclause 5.1.6

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to indicate that the call may leave an ISDN environment, sends a PROGRESS message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_V_008 clause 5

Ensure that the IUT in the Outgoing Call Proceeding call state N03, to provide additional information, sends an INFORMATION message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_V_009 clause 5

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of an INFORMATION message, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_V_010 subclause 5.3.3

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N03_V_011 subclause 5.8.10

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Outgoing Call Proceeding call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Outgoing Call Proceeding call state N03.

5.2.3.2 Inopportune

L3N_N03_I_001 subclause 5.8

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Outgoing Call Proceeding call state N03 or processes the message as valid.

L3N_N03_I_002 subclause 5.8.3.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message using the dummy call reference, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Outgoing Call Proceeding call state N03 for CR1, on receipt of a DISCONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Outgoing Call Proceeding call state N03 for CR1.

L3N_N03_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_I_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_I_006 subclause 5.8.4

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_I_007 subclause 5.8.4

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N03_I_008 subclause 5.8.4

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N03_I_009 subclause 5.8.8

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_I_010 subclause 5.8.11

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.3.3 Syntactically invalid

L3N_N03_S_001 subclause 5.8.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_S_002 subclause 5.8.2

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a message which is too short, sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_S_003 subclause 5.8.3.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_S_004 subclause 5.8.3.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_S_005 subclause 5.8.4

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Outgoing Call Proceeding call state N03.

L3N_N03_S_006 subclause 5.8.6.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N03_S_007 subclause 5.8.6.2

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N03_S_008 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension required), sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N03_S_009 subclause 5.8.7.1

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension not required), sends a RELEASE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Release Request call state N19.

L3N_N03_S_010 subclause 5.8.7.2

Ensure that the IUT in the Outgoing Call Proceeding call state N03, on receipt of a DISCONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.4 Call Delivered call state N04

5.2.4.1 Valid

L3N_N04_V_001 subclause 5.1.8

Ensure that the IUT in the Call Delivered call state N04, to indicate that the remote user has answered the call, sends a CONNECT message and enters the Active call state N10.

L3N_N04_V_002 subclauses 5.1.8 and 5.11.1

Ensure that the IUT in the Call Delivered call state N04, when fallback to an alternative bearer capability is allowed, to indicate that the remote user has answered the call, sends a CONNECT message with a Bearer capability information element and enters the Active call state N10.

Selection: IUT supports procedures for Bearer capability selection at the originating side. PICS: MCn 21.1.

L3N_N04_V_003 subclauses 5.1.8 and 5.12.1

Ensure that the IUT in the Call Delivered call state N04, when fallback to an alternative high layer compatibility is allowed, to indicate that the remote user has answered the call, sends a CONNECT message with a High layer compatibility information element and enters the Active call state N10.

Selection: IUT supports procedures for High layer compatibility selection at the originating side. PICS: MCn 22.1.

L3N_N04_V_004 clause 5

Ensure that the IUT in the Call Delivered call state N04, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N04_V_005 subclause 5.1.6

Ensure that the IUT in the Call Delivered call state N04, to indicate that the call may leave an ISDN environment, sends a PROGRESS message and remains in the Call Delivered call state N04.

L3N_N04_V_006 clause 5

Ensure that the IUT in the Call Delivered call state N04, to provide additional information, sends an INFORMATION message and remains in the Call Delivered call state N04.

L3N_N04_V_007 clause 5

Ensure that the IUT in the Call Delivered call state N04, on receipt of an INFORMATION message, sends no message and remains in the Call Delivered call state N04.

L3N_N04_V_008 subclause 5.3.3

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N04_V_009 subclause 5.8.10

Ensure that the IUT in the Call Delivered call state N04, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Call Delivered call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Call Delivered call state N04.

5.2.4.2 Inopportune

L3N_N04_I_001 subclause 5.8

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Call Delivered call state N04 or processes the message as valid.

L3N_N04_I_002 subclause 5.8.3.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message using the dummy call reference, sends no message and remains in the Call Delivered call state N04.

L3N_N04_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Call Delivered call state N04 for CR1, on receipt of a DISCONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Call Delivered call state N04 for CR1.

L3N_N04_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Call Delivered call state N04, on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Call Delivered call state N04.

L3N_N04_I_005 subclause 5.8.3.2

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Call Delivered call state N04.

L3N_N04_I_006 subclause 5.8.4

Ensure that the IUT in the Call Delivered call state N04, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Call Delivered call state N04.

L3N_N04_I_007 subclause 5.8.4

Ensure that the IUT in the Call Delivered call state N04, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N04_I_008 subclause 5.8.4

Ensure that the IUT in the Call Delivered call state N04, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N04_I_009 subclause 5.8.8

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Call Delivered call state N04.

L3N_N04_I_010 subclause 5.8.11

Ensure that the IUT in the Call Delivered call state N04, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.4.3 Syntactically invalid

L3N_N04_S_001 subclause 5.8.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Call Delivered call state N04.

L3N_N04_S_002 subclause 5.8.2

Ensure that the IUT in the Call Delivered call state N04, on receipt of a message which is too short, sends no message and remains in the Call Delivered call state N04.

L3N_N04_S_003 subclause 5.8.3.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Call Delivered call state N04.

L3N_N04_S_004 subclause 5.8.3.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Call Delivered call state N04.

L3N_N04_S_005 subclause 5.8.4

Ensure that the IUT in the Call Delivered call state N04, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Call Delivered call state N04.

L3N_N04_S_006 subclause 5.8.6.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N04_S_007 subclause 5.8.6.2

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N04_S_008 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension required), sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N04_S_009 subclause 5.8.7.1

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension not required), sends a RELEASE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Release Request call state N19.

L3N_N04_S_010 subclause 5.8.7.2

Ensure that the IUT in the Call Delivered call state N04, on receipt of a DISCONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.5 Call Present call state N06

5.2.5.1 Valid

5.2.5.1.1 Point-to-point configuration

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N06_V_001 subclauses 5.2.3.1 a)1) and 5.2.4

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a SETUP ACKNOWLEDGE message without the Channel identification information element, sends no message and enters the Overlap Receiving call state N25.

L3N_N06_V_002 subclause 5.2.3.1 a)1)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_003 subclauses 5.2.3.1 a)2) and 5.2.4

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating another available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Overlap Receiving call state N25.

L3N_N06_V_004 subclauses 5.2.3.1 a)2) and 5.2.4

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a SETUP ACKNOWLEDGE message without the Channel identification information element, sends no message and enters the Overlap Receiving call state N25.

L3N_N06_V_005 subclause 5.2.3.1 a)2)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_006 subclauses 5.2.3.1 a)3) and 5.2.4

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Overlap Receiving call state N25.

L3N_N06_V_007 subclause 5.2.3.1 a)3)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_008 subclauses 5.2.3.1 a)1) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a CALL PROCEEDING message without the Channel identification information element, sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N06_V_009 subclause 5.2.3.1 a)1)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a CALL PROCEEDING message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_010 subclauses 5.2.3.1 a)2) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CALL PROCEEDING message with the Channel identification information element indicating another available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N06_V_011 subclauses 5.2.3.1 a)2) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CALL PROCEEDING message without the Channel identification information element, sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N06_V_012 subclause 5.2.3.1 a)2)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CALL PROCEEDING message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_013 subclauses 5.2.3.1 a)3) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a CALL PROCEEDING message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N06_V_014 subclause 5.2.3.1 a)3)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a CALL PROCEEDING message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_015 subclauses 5.2.3.1 a)1) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a ALERTING message without the Channel identification information element, sends no message and enters the Call Received call state N07.

L3N_N06_V_016 subclause 5.2.3.1 a)1)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a ALERTING message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_017 subclauses 5.2.3.1 a)2) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a ALERTING message with the Channel identification information element indicating another available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Call Received call state N07.

L3N_N06_V_018 subclauses 5.2.3.1 a)2) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a ALERTING message without the Channel identification information element, sends no message and enters the Call Received call state N07.

L3N_N06_V_019 subclause 5.2.3.1 a)2)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a ALERTING message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_020 subclauses 5.2.3.1 a)3) and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a ALERTING message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends no message and enters the Call Received call state N07.

L3N_N06_V_021 subclause 5.2.3.1 a)3)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a ALERTING message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_022 subclauses 5.2.3.1 a)1), 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a CONNECT message without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N06_V_023 subclause 5.2.3.1 a)1)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", on receipt of a CONNECT message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_024 subclauses 5.2.3.1 a)2), 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CONNECT message with the Channel identification information element indicating another available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N06_V_025 subclauses 5.2.3.1 a)2), 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CONNECT message without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N06_V_026 subclause 5.2.3.1 a)2)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "indicated channel is preferred", on receipt of a CONNECT message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_027 subclauses 5.2.3.1 a)3), 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a CONNECT message with the Channel identification information element indicating an available B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N06_V_028 subclause 5.2.3.1 a)3)

Ensure that the IUT in the Call Present call state N06, reached by sending a SETUP message with the Channel identification information element indicating in the info channel selection field "any channel", on receipt of a CONNECT message with the Channel identification information element indicating a B-channel that is not acceptable and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19.

L3N_N06_V_029 subclause 5.2.5.3

Ensure that the IUT in the Call Present call state N06, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N06_V_030 subclause 5.3.4

Ensure that the IUT in the Call Present call state N06, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N06_V_031 subclause 5.2.1

Ensure that the IUT in the Call Present call state N06, on the first expiry of the mandatory timer T303, sends a SETUP message using the point-to-point data link and remains in the Call Present call state N06.

L3N_N06_V_032 subclauses 5.2.1 and 5.2.5.4

Ensure that the IUT in the Call Present call state N06, on the second expiry of the mandatory timer T303, sends a DISCONNECT message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Disconnect Indication call state N12.

L3N_N06_V_033 subclause 5.8.10

Ensure that the IUT in the Call Present call state N06, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Call Present call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Call Present call state N06.

5.2.5.1.2 Point-to-multipoint configuration

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N06_V_034 subclauses 5.2.3.2 and 5.2.4

Ensure that the IUT in the Call Present call state N06, on receipt of a SETUP ACKNOWLEDGE message without the Channel identification information element, sends no message and enters the Overlap Sending call state N25.

L3N_N06_V_035 subclause 5.2.3.2

Ensure that the IUT in the Call Present call state N06, on receipt of a SETUP ACKNOWLEDGE message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19 for that individual process.

L3N_N06_V_036 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message without the Channel identification information element, sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N06_V_037 subclause 5.2.3.2

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19 for that individual process.

L3N_N06_V_038 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Call Present call state N06, on receipt of a ALERTING message without the Channel identification information element, sends no message and enters the Call Received call state N07.

L3N_N06_V_039 subclause 5.2.3.2

Ensure that the IUT in the Call Present call state N06, on receipt of a ALERTING message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19 for that individual process.

L3N_N06_V_040 subclauses 5.2.3.2, 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Present call state N06, on receipt of a CONNECT message without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N06_V_041 subclause 5.2.3.2

Ensure that the IUT in the Call Present call state N06, on receipt of a CONNECT message with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message with a Cause information element indicating the cause value 6 "channel unacceptable" and enters the Release Request call state N19 for that individual process.

L3N_N06_V_042 subclause 5.2.5.3

Ensure that the IUT in the Call Present call state N06, on receipt of a RELEASE COMPLETE message, sends no message.

L3N_N06_V_043 subclause 5.3.2 e)

Ensure that the IUT in the Call Present call state N06, to indicate a network disconnect indication, sends no message and enters the Call Abort call state N22.

L3N_N06_V_044 subclause 5.2.1

Ensure that the IUT in the Call Present call state N06, on the first expiry of the mandatory timer T303, sends a SETUP message using the broadcast data link and remains in the Call Present call state N06.

L3N_N06_V_045 subclause 5.2.1

Ensure that the IUT in the Call Present call state N06, after the receipt of a RELEASE COMPLETE message, on the first expiry of the mandatory timer T303, sends no message and enters the Call Abort call state N22.

L3N_N06_V_046 subclauses 5.2.1 and 5.2.5.4

Ensure that the IUT in the Call Present call state N06, on the second expiry of the mandatory timer T303, sends no message and enters the Call Abort call state N22.

L3N_N06_V_047 subclause 5.8.10

Ensure that the IUT in the Call Present call state N06, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Call Present call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Call Present call state N06.

5.2.5.2 Inopportune

L3N_N06_I_001 subclause 5.8

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Call Present call state N06 or processes the message as valid.

L3N_N06_I_002 subclause 5.8.3.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message using the dummy call reference, sends no message and remains in the Call Present call state N06.

L3N_N06_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Call Present call state N06 for CR1, on receipt of a CALL PROCEEDING message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Call Present call state N06 for CR1.

L3N_N06_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Call Present call state N06.

L3N_N06_I_005 subclause 5.8.4

Ensure that the IUT in the Call Present call state N06, on receipt of an inopportune message (CONNECT ACKNOWLEDGE), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Call Present call state N06.

L3N_N06_I_006 subclause 5.8.4

Ensure that the IUT in the Call Present call state N06, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N06_I_007 subclause 5.8.4

Ensure that the IUT in the Call Present call state N06, on receipt of a RELEASE message, sends a RELEASE COMPLETE message.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N06_I_008 subclause 5.8.8

Ensure that the IUT in the Call Present call state N06, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Call Present call state N06.

L3N_N06_I_009 subclause 5.8.11

Ensure that the IUT in the Call Present call state N06, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.5.3 Syntactically invalid

L3N_N06_S_001 subclause 5.8.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Call Present call state N06.

L3N_N06_S_002 subclause 5.8.2

Ensure that the IUT in the Call Present call state N06, on receipt of a message which is too short, sends no message and remains in the Call Present call state N06.

L3N_N06_S_003 subclause 5.8.3.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Call Present call state N06.

L3N_N06_S_004 subclause 5.8.3.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Call Present call state N06.

L3N_N06_S_005 subclause 5.8.4

Ensure that the IUT in the Call Present call state N06, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Call Present call state N06.

L3N_N06_S_006 subclause 5.8.5.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an non-mandatory information element out of sequence, processes the message as valid.

L3N_N06_S_007 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an unrecognized information element (coded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Call Present call state N06.

L3N_N06_S_008 subclause 5.8.7.1

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with an unrecognized information element (coded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_N06_S_009 subclause 5.8.7.2

Ensure that the IUT in the Call Present call state N06, on receipt of a CALL PROCEEDING message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.6 Call Received call state N07

5.2.6.1 Valid

5.2.6.1.1 Point-to-point configuration

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_V_001 subclause 5.2.8

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N07_V_002 clause 5

Ensure that the IUT in the Call Received call state N07, on receipt of an INFORMATION message, sends no message and remains in the Call Received call state N07.

L3N_N07_V_003 subclause 5.2.6

Ensure that the IUT in the Call Received call state N07, on receipt of an PROGRESS message, sends no message and remains in the Call Received call state N07.

L3N_N07_V_004 subclause 5.3.3

Ensure that the IUT in the Call Received call state N07, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N07_V_005 subclause 5.3.4

Ensure that the IUT in the Call Received call state N07, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N07_V_006 subclause 5.2.5.4

Ensure that the IUT in the Call Received call state N07, on the expiry of the optional timer T301, sends a DISCONNECT message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Disconnect Indication call state N12.

Selection: IUT supports timer T301. PICS: TMn 1.

L3N_N07_V_007 clause 5

Ensure that the IUT in the Call Received call state N07, to provide additional information, sends an INFORMATION message and remains in the Call Received call state N07.

L3N_N07_V_008 subclause 5.8.10

Ensure that the IUT in the Call Received call state N07, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Call Received call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Call Received call state N07.

5.2.6.1.2 Point-to-multipoint configuration

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_V_009 subclauses 5.2.3.2 and 5.2.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 without the Channel identification information element, sends no message and remains in the Call Received call state N07 for the call at CES1 and enters the Overlap Receiving call state N25 for the call at CES2.

L3N_N07_V_010 subclause 5.2.3.2

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Call Received call state N07 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N07_V_011 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a CALL PROCEEDING message for CES2 without the Channel identification information element, sends no message and remains in the Call Received call state N07 for the call at CES1 and enters the Incoming Call Proceeding call state N09 for the call at CES2.

L3N_N07_V_012 subclause 5.2.3.2

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a CALL PROCEEDING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Call Received call state N07 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N07_V_013 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a ALERTING message for CES2 without the Channel identification information element, sends no message and enters the Call Received call state N07 for the call at CES1 and enters the Call received call state N07 for the call at CES2.

L3N_N07_V_014 subclause 5.2.3.2

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a ALERTING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Call Received call state N07 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N07_V_015 subclauses 5.2.3.2, 5.2.5.1 and 5.2.8

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a CONNECT message for CES2 without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message for CES2 and a RELEASE message for CES1 with a Cause information element indicating the cause value 26 "non-selected user clearing" and enters the Release Request call state N19 for the call at CES1 and enters the Active call state N10 for the call at CES2.

L3N_N07_V_016 subclause 5.2.3.2

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a CONNECT message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Call Received call state N07 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N07_V_017 subclause 5.2.5.3

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N07_V_018 subclause 5.2.5.3

Ensure that the IUT in the Call Received call state N07, having received ALERTING messages for CES1 and CES2, after the expiry of the mandatory timer T312, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and remains in the Call Received call state N07 for the call at CES2 and enters the Release Request call state N19 for the call at CES1.

L3N_N07_V_019 subclause 5.3.2 e)1)

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, to indicate a network disconnect indication, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N07_V_020 subclause 5.2.5.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on the expiry of the optional timer T301, sends a RELEASE message for CES1 with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19.

Selection: IUT supports timer T301. PICS: TMn 1.

L3N_N07_V_021 clause 5

Ensure that the IUT in the Call Received call state N07, to provide additional information, sends an INFORMATION message and remains in the Call Received call state N07.

L3N_N07_V_022 subclause 5.8.10

Ensure that the IUT in the Call Received call state N07, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Call Received call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Call Received call state N07.

5.2.6.2 Inopportune

L3N_N07_I_001 subclause 5.8

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Call Received call state N07 or processes the message as valid.

L3N_N07_I_002 subclause 5.8.3.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message using the dummy call reference, sends no message and remains in the Call Received call state N07.

L3N_N07_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Call Received call state N07 for CR1, on receipt of a CONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Call Received call state N07 for CR1.

L3N_N07_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Call Received call state N07.

L3N_N07_I_005 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of a SETUP ACKNOWLEDGE message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Call Received call state N07.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_I_006 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of a CALL PROCEEDING message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Call Received call state N07.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_I_007 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of an ALERTING message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Call Received call state N07.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_I_008 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES2, on receipt of a DISCONNECT message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Call Received call state N07 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_009 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES2, on receipt of a INFORMATION message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Call Received call state N07 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_010 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES2, on receipt of a PROGRESS message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Call Received call state N07 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_011 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_I_012 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a RELEASE message for CES2, sends a RELEASE COMPLETE message for CES2 and remains in the Call Received call state N07 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_013 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a RELEASE message for CES1, sends a RELEASE COMPLETE message for CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_014 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N07_I_015 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, on receipt of a RELEASE COMPLETE message for CES2, sends no message and remains in the Call Received call state N07 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_016 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received ALERTING messages for CES1 and CES2, on receipt of a RELEASE COMPLETE message for CES1, sends no message and remains in the Call Received call state N07 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_017 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, having received an ALERTING message for CES1, after the expiry of the mandatory timer T312, on receipt of a RELEASE COMPLETE message for CES1, sends no message.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N07_I_018 subclause 5.8.8

Ensure that the IUT in the Call Received call state N07, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Call Received call state N07.

L3N_N07_I_019 subclause 5.8.11

Ensure that the IUT in the Call Received call state N07, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.6.3 Syntactically invalid

L3N_N07_S_001 subclause 5.8.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Call Received call state N07.

L3N_N07_S_002 subclause 5.8.2

Ensure that the IUT in the Call Received call state N07, on receipt of a message which is too short, sends no message and remains in the Call Received call state N07.

L3N_N07_S_003 subclause 5.8.3.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Call Received call state N07.

L3N_N07_S_004 subclause 5.8.3.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Call Received call state N07.

L3N_N07_S_005 subclause 5.8.4

Ensure that the IUT in the Call Received call state N07, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Call Received call state N07.

L3N_N07_S_006 subclause 5.8.5.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with a non-mandatory information element out of sequence, processes the message as valid.

L3N_N07_S_007 subclause 5.8.6.1

Ensure that the IUT in the Call Received call state N07, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N07_S_008 subclause 5.8.6.2

Ensure that the IUT in the Call Received call state N07, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N07_S_009 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with an unrecognized information element (coded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Call Received call state N07.

L3N_N07_S_010 subclause 5.8.7.1

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with an unrecognized information element (coded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_N07_S_011 subclause 5.8.7.2

Ensure that the IUT in the Call Received call state N07, on receipt of a CONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.7 Incoming Call Proceeding call state N09

5.2.7.1 Valid

5.2.7.1.1 Point-to-point configuration

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N09_V_001 subclause 5.2.5.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message, sends no message and enters the Call Received call state N07.

L3N_N09_V_002 subclauses 5.2.5.1 and 5.2.8

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a CONNECT message, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N09_V_003 clause 5

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an INFORMATION message, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_V_004 subclause 5.2.6

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an PROGRESS message, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_V_005 subclause 5.3.3

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N09_V_006 subclause 5.3.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N09_V_007 subclause 5.2.5.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on the expiry of the mandatory timer T310, sends a DISCONNECT message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Disconnect Indication call state N12.

L3N_N09_V_008 clause 5

Ensure that the IUT in the Incoming Call Proceeding call state N09, to provide additional information, sends an INFORMATION message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_V_009 subclause 5.8.10

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Incoming Call Proceeding call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Incoming Call Proceeding call state N09.

5.2.7.1.2 Point-to-multipoint configuration

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_V_010 subclauses 5.2.3.2 and 5.2.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 without the Channel identification information element, sends no message and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Overlap Receiving call state N25 for the call at CES2.

L3N_N09_V_011 subclause 5.2.3.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N09_V_012 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a CALL PROCEEDING message for CES2 without the Channel identification information element, sends no message and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Incoming Call Proceeding call state N09 for the call at CES2.

L3N_N09_V_013 subclause 5.2.3.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a CALL PROCEEDING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N09_V_014 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a ALERTING message for CES2 without the Channel identification information element, ends no message and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Call Received call state N07 for the call at CES2.

L3N_N09_V_015 subclause 5.2.3.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a ALERTING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N09_V_016 subclauses 5.2.3.2, 5.2.5.1 and 5.2.8

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a CONNECT message for CES2 without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message for CES2 and a RELEASE message for CES1 with a Cause information element indicating the cause value 26 "non-selected user clearing" and enters the Release Request call state N19 for the call at CES1 and enters the Active call state N10 for the call at CES2.

L3N_N09_V_017 subclause 5.2.3.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a CONNECT message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Incoming Call Proceeding call state N09 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

L3N_N09_V_018 subclause 5.2.5.3

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N09_V_019 subclause 5.2.5.3

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received CALL PROCEEDING messages for CES1 and CES2, after the expiry of the mandatory timer T312, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and remains in the Incoming Call Proceeding call state N09 for the call at CES2 and enters the Release Request call state N19 for the call at CES1.

L3N_N09_V_020 subclause 5.3.2 e)1)

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received CALL PROCEEDING messages for CES1, to indicate a network disconnect indication, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N09_V_021 subclause 5.2.5.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on the expiry of the mandatory timer T310, sends a RELEASE message for CES1 with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19.

L3N_N09_V_022 clause 5

Ensure that the IUT in the Incoming Call Proceeding call state N09, to provide additional information, sends an INFORMATION message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_V_023 subclause 5.8.10

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Incoming Call Proceeding call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Incoming Call Proceeding call state N09.

5.2.7.2 Inopportune

L3N_N09_I_001 subclause 5.8

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Incoming Call Proceeding call state N09 or processes the message as valid.

L3N_N09_I_002 subclause 5.8.3.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message using the dummy call reference, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Incoming Call Proceeding call state N09 for CR1, on receipt of an ALERTING message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Incoming Call Proceeding call state N09 for CR1.

L3N_N09_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Incoming Call Proceeding call state N09.

L3N_N09_I_005 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a SETUP ACKNOWLEDGE message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Incoming Call Proceeding call state N09.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N09_I_006 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a CALL PROCEEDING message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Incoming Call Proceeding call state N09.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N09_I_007 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES2, on receipt of a DISCONNECT message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Incoming Call Proceeding call state N09 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_008 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES2, on receipt of a INFORMATION message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Incoming Call Proceeding call state N09 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_009 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES2, on receipt of a PROGRESS message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Incoming Call Proceeding call state N09 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_010 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N09_I_011 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a RELEASE message for CES2, sends a RELEASE COMPLETE message for CES2 and remains in the Incoming Call Proceeding call state N09 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_012 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a RELEASE message for CES1, sends a RELEASE COMPLETE message for CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_013 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N09_I_014 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, on receipt of a RELEASE COMPLETE message for CES2, sends no message and remains in the Incoming Call Proceeding call state N09 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_015 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received CALL PROCEEDING messages for CES1 and CES2, on receipt of a RELEASE COMPLETE message for CES1, sends no message and remains in the Incoming Call Proceeding call state N09 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_016 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, having received a CALL PROCEEDING message for CES1, after the expiry of the mandatory timer T312, on receipt of a RELEASE COMPLETE message for CES1, sends no message.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N09_I_017 subclause 5.8.8

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_I_018 subclause 5.8.11

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.7.3 Syntactically invalid

L3N_N09_S_001 subclause 5.8.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_002 subclause 5.8.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a message which is too short, sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_003 subclause 5.8.3.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_004 subclause 5.8.3.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_005 subclause 5.8.4

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_006 subclause 5.8.5.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with a non-mandatory information element out of sequence, processes the message as valid.

L3N_N09_S_007 subclause 5.8.6.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N09_S_008 subclause 5.8.6.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N09_S_009 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with an unrecognized information element (coded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Incoming Call Proceeding call state N09.

L3N_N09_S_010 subclause 5.8.7.1

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with an unrecognized information element (coded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_N09_S_011 subclause 5.8.7.2

Ensure that the IUT in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.8 Active call state N10 (Incoming call)

5.2.8.1 Valid

L3N_N10I_V_001 subclause 5.6.2

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message without a Call identity information element, sends a SUSPEND ACKNOWLEDGE message and enters the Null call state N00.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10I_V_002 subclause 5.6.2

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message with a Call identity information element indicating a call identity value, sends a SUSPEND ACKNOWLEDGE message and enters the Null call state N00.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10I_V_003 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Active call state N10.

Selection: IUT does not support the processing of a call rearrangement request. PICS: NOT MCn 6.
IUT supports the basic access. PICS: R 6.1.

L3N_N10I_V_004 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state", a STATUS ENQUIRY message or a SUSPEND REJECT message with a Cause information element indicating the cause value 29 "facility rejected" and remains in the Active call state N10.

Selection: IUT supports the primary rate access. PICS: R 6.2.

L3N_N10I_V_005 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message from a user that has not subscribed to the call rearrangement service, sends a SUSPEND REJECT message with a Cause information element indicating the cause value 50 "requested facility not subscribed" and remains in the Active call state N10.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10I_V_006 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message indicating in the Call identity information element a call identity that is already in use, sends a SUSPEND REJECT message with a Cause information element indicating the cause value 84 "call identity in use" and remains in the Active call state N10.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10I_V_007 subclause 5.1.8

Ensure that the IUT in the Active call state N10, on receipt of a CONNECT ACKNOWLEDGE message, sends no message and remains in the Active call state N10.

L3N_N10I_V_008 subclauses 5.6.2, 5.6.4 and 5.9

Ensure that the IUT in the Active call state N10, on receipt of a NOTIFY message, sends no message and remains in the Active call state N10.

L3N_N10I_V_009 clause 5

Ensure that the IUT in the Active call state N10, on receipt of an INFORMATION message, sends no message and remains in the Active call state N10.

L3N_N10I_V_010 subclause 5.3.3

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N10I_V_011 subclauses 5.6.2, 5.6.4 and 5.9

Ensure that the IUT in the Active call state N10, to pass notifications to the user, sends a NOTIFY message and remains in the Active call state N10.

L3N_N10I_V_012 clause 5

Ensure that the IUT in the Active call state N10, to provide additional information, sends an INFORMATION message and remains in the Active call state N10.

L3N_N10I_V_013 subclause 5.3.4

Ensure that the IUT in the Active call state N10, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N10I_V_014 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on the first expiry of the mandatory timer T322, sends a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10I_V_015 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on expiry of the mandatory timer T322 after the maximum number of retransmissions of STATUS ENQUIRY messages, sends a RELEASE message with a Cause information element indicating the cause value 41 "temporary failure" and enters the Release Request call state N19.

L3N_N10I_V_016 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Active call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Active call state N10.

L3N_N10I_V_017 clause 2 and subclause 5.1

Ensure that the IUT in the Active call state N10 for CR1 and in the Null call state N00 for CR2, on receipt of a SETUP message with the Sending complete information element for CR2, sends a CALL PROCEEDING message using CR2, enters the Outgoing Call Proceeding call state N03 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10I_V_018 clause 2 and subclause 5.1

Ensure that the IUT in the Active call state N10 for CR1 and in the Call Delivered call state N04, to indicate that the remote user has answered the call, sends a CONNECT message using CR2, enters the Active call state N10 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10I_V_019 clause 2 and subclause 5.2

Ensure that the IUT in the Active call state N10 for CR1 and in the Null call state N00 for CR2, to deliver a call, sends a SETUP message using CR2, enters the Call Present call state N06 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10I_V_020 clause 2 and subclause 5.2

Ensure that the IUT in the Active call state N10 for CR1 and in the Call Received call state N07 for CR2, on receipt of a CONNECT message for CR2, sends a CONNECT ACKNOWLEDGE message using CR2, enters the Active call state N10 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10I_V_021 clause 2 and subclause 5.1

Ensure that the IUT in the Active call state N10, on receipt of a SETUP message using the same call reference value with the Sending complete information element, accepts the outgoing call and remains in the Active call state N10 for the incoming call.

5.2.8.2 Inopportune

L3N_N10I_I_001 subclause 5.8

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Active call state N10 or processes the message as valid.

L3N_N10I_I_002 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message using the dummy call reference, sends no message and remains in the Active call state N10.

L3N_N10I_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Active call state N10 for CR1, on receipt of a DISCONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10I_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Active call state N10.

L3N_N10I_I_005 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10I_I_006 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N10I_I_007 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N10I_I_008 subclause 5.8.5.2

Ensure that the IUT in the Active call state N10, on receipt of a NOTIFY message with a duplicated Notification indicator information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

L3N_N10I_I_009 subclauses 5.8.8 and 5.8.10

Ensure that the IUT in the Active call state N10, on receipt of a DL-ESTABLISH-INDICATION, sends a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10I_I_010 subclause 5.8.9

Ensure that the IUT in the Active call state N10, after having sent a DL-ESTABLISH-REQUEST in response to a DL-RELEASE-INDICATION, on receipt of a DL-ESTABLISH-CONFIRM, sends a STATUS message with a Cause information element indicating the cause value 31 "normal, unspecified" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10I_I_011 subclause 5.8.11

Ensure that the IUT in the Active call state N10, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.8.3 Syntactically invalid

L3N_N10I_S_001 subclause 5.8.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Active call state N10.

L3N_N10I_S_002 subclause 5.8.2

Ensure that the IUT in the Active call state N10, on receipt of a message which is too short, sends no message and remains in the Active call state N10.

L3N_N10I_S_003 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Active call state N10.

L3N_N10I_S_004 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Active call state N10.

L3N_N10I_S_005 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10I_S_006 subclause 5.8.6.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N10I_S_007 subclause 5.8.6.2

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N10I_S_008 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension required), sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N10I_S_009 subclause 5.8.7.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension not required), sends a RELEASE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Release Request call state N19.

L3N_N10I_S_010 subclause 5.8.7.2

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.9 Active call state N10 (Outgoing call)

5.2.9.1 Valid

L3N_N10O_V_001 subclause 5.6.2

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message without a Call identity information element, sends a SUSPEND ACKNOWLEDGE message and enters the Null call state N00.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10O_V_002 subclause 5.6.2

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message with a Call identity information element indicating a call identity value, sends a SUSPEND ACKNOWLEDGE message and enters the Null call state N00.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10O_V_003 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Active call state N10.

Selection: IUT does not support the processing of a call rearrangement request. PICS: NOT MCn 6.
IUT supports the basic access. PICS: R 6.1.

L3N_N10O_V_004 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state", a STATUS ENQUIRY message or a SUSPEND REJECT message with a Cause information element indicating the cause value 29 "facility rejected" and remains in the Active call state N10.

Selection: IUT supports the primary rate access. PICS: R 6.2.

L3N_N10O_V_005 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message from a user that has not subscribed to the call rearrangement service, sends a SUSPEND REJECT message with a Cause information element indicating the cause value 50 "requested facility not subscribed" and remains in the Active call state N10.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10O_V_006 subclause 5.6.3

Ensure that the IUT in the Active call state N10, on receipt of a SUSPEND message indicating in the Call identity information element a call identity that is already in use, sends a SUSPEND REJECT message with a Cause information element indicating the cause value 84 "call identity in use" and remains in the Active call state N10.

Selection: IUT supports the processing of a call rearrangement request. PICS: MCn 6.

L3N_N10O_V_007 subclause 5.1.8

Ensure that the IUT in the Active call state N10, on receipt of a CONNECT ACKNOWLEDGE message, sends no message and remains in the Active call state N10.

L3N_N10O_V_008 subclauses 5.6.2, 5.6.4 and 5.9

Ensure that the IUT in the Active call state N10, on receipt of a NOTIFY message, sends no message and remains in the Active call state N10.

L3N_N10O_V_009 clause 5

Ensure that the IUT in the Active call state N10, on receipt of an INFORMATION message, sends no message and remains in the Active call state N10.

L3N_N10O_V_010 subclause 5.3.3

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N10O_V_011 subclauses 5.6.2, 5.6.4 and 5.9

Ensure that the IUT in the Active call state N10, to pass notifications to the user, sends a NOTIFY message and remains in the Active call state N10.

L3N_N10O_V_012 clause 5

Ensure that the IUT in the Active call state N10, to provide additional information, sends an INFORMATION message and remains in the Active call state N10.

L3N_N10O_V_013 subclause 5.3.4

Ensure that the IUT in the Active call state N10, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N10O_V_014 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on the first expiry of the mandatory timer T322, sends a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10O_V_015 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on expiry of the mandatory timer T322 after the maximum number of retransmissions of STATUS ENQUIRY messages, sends a RELEASE message with a Cause information element indicating the cause value 41 "temporary failure" and enters the Release Request call state N19.

L3N_N10O_V_016 subclause 5.8.10

Ensure that the IUT in the Active call state N10, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Active call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Active call state N10.

L3N_N10O_V_017 clause 2 and subclause 5.1

Ensure that the IUT in the Active call state N10 for CR1 and in the Null call state N00 for CR2, on receipt of a SETUP message with the Sending complete information element for CR2, sends a CALL PROCEEDING message using CR2, enters the Outgoing Call Proceeding call state N03 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10O_V_018 clause 2 and subclause 5.1

Ensure that the IUT in the Active call state N10 for CR1 and in the Call Delivered call state N04, to indicate that the remote user has answered the call, sends a CONNECT message using CR2, enters the Active call state N10 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10O_V_019 clause 2 and subclause 5.2

Ensure that the IUT in the Active call state N10 for CR1 and in the Null call state N00 for CR2, to deliver a call, sends a SETUP message using CR2, enters the Call Present call state N06 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10O_V_020 clause 2 and subclause 5.2

Ensure that the IUT in the Active call state N10 for CR1 and in the Call Received call state N07 for CR2, on receipt of a CONNECT message for CR2, sends a CONNECT ACKNOWLEDGE message using CR2, enters the Active call state N10 for CR2 and remains in the Active call state N10 for CR1.

5.2.9.2 Inopportune

L3N_N10O_I_001 subclause 5.8

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Active call state N10 or processes the message as valid.

L3N_N10O_I_002 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message using the dummy call reference, sends no message and remains in the Active call state N10.

L3N_N10O_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Active call state N10 for CR1, on receipt of a DISCONNECT message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Active call state N10 for CR1.

L3N_N10O_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Active call state N10, on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Active call state N10.

L3N_N10O_I_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Active call state N10.

L3N_N10O_I_006 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10O_I_007 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N10O_I_008 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N10O_I_009 subclause 5.8.5.2

Ensure that the IUT in the Active call state N10, on receipt of a NOTIFY message with a duplicated Notification indicator information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

L3N_N10O_I_010 subclause 5.8.8

Ensure that the IUT in the Active call state N10, on receipt of a DL-ESTABLISH-INDICATION, sends a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10O_I_011 subclause 5.8.9

Ensure that the IUT in the Active call state N10, after having sent a DL-ESTABLISH-REQUEST in response to a DL-RELEASE-INDICATION, on receipt of a DL-ESTABLISH-CONFIRM, sends a STATUS message with a Cause information element indicating the cause value 31 "normal, unspecified" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10O_I_012 subclause 5.8.11

Ensure that the IUT in the Active call state N10, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.9.3 Syntactically invalid

L3N_N10O_S_001 subclause 5.8.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Active call state N10.

L3N_N10O_S_002 subclause 5.8.2

Ensure that the IUT in the Active call state N10, on receipt of a message which is too short, sends no message and remains in the Active call state N10.

L3N_N10O_S_003 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Active call state N10.

L3N_N10O_S_004 subclause 5.8.3.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Active call state N10.

L3N_N10O_S_005 subclause 5.8.4

Ensure that the IUT in the Active call state N10, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Active call state N10.

L3N_N10O_S_006 subclause 5.8.6.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N10O_S_007 subclause 5.8.6.2

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N10O_S_008 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension required), sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N10O_S_009 subclause 5.8.7.1

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with an unrecognized information element (coded comprehension not required), sends a RELEASE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Release Request call state N19.

L3N_N10O_S_010 subclause 5.8.7.2

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.10 Disconnect Indication call state N12 (Incoming call)

5.2.10.1 Valid

L3N_N12I_V_001 subclause 5.3.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N12I_V_002 subclause 5.3.6

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12I_V_003 clause 5

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of an INFORMATION message, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_V_004 clause 5

Ensure that the IUT in the Disconnect Indication call state N12, to provide additional information, sends an INFORMATION message and remains in the Disconnect Indication call state N12.

L3N_N12I_V_005 subclause 5.3.5

Ensure that the IUT in the Disconnect Indication call state N12, having sent a DISCONNECT message without a Progress indicator information element, on expiry of the mandatory timer T305, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12I_V_006 subclause 5.3.5

Ensure that the IUT in the Disconnect Indication call state N12, having sent a DISCONNECT message with a Progress indicator information element indicating in the progress description the value 8 "in-band information or appropriate pattern now available", on expiry of timer T306, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12I_V_007 subclause 5.8.10

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Disconnect Indication call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Disconnect Indication call state N12.

5.2.10.2 Inopportune

L3N_N12I_I_001 subclause 5.8

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Disconnect Indication call state N12 or processes the message as valid.

L3N_N12I_I_002 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message using the dummy call reference, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Disconnect Indication call state N12 for CR1, on receipt of a RELEASE message for CR2 which is not recognized as relating to a call, sends a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Null call state N00 for CR2 and remains in the Disconnect Indication call state N12 for CR1.

L3N_N12I_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Disconnect Indication call state N12.

L3N_N12I_I_005 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Disconnect Indication call state N12.

L3N_N12I_I_006 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N12I_I_007 subclause 5.8.8

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_I_008 subclause 5.8.11

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.10.3 Syntactically invalid

L3N_N12I_S_001 subclause 5.8.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_S_002 subclause 5.8.2

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a message which is too short, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_S_003 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_S_004 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Disconnect Indication call state N12.

L3N_N12I_S_005 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Disconnect Indication call state N12.

L3N_N12I_S_006 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an unrecognized information element (coded comprehension required), sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Null call state N00.

L3N_N12I_S_007 subclause 5.8.7.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an unrecognized information element (coded comprehension not required), sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Null call state N00.

L3N_N12I_S_008 subclause 5.8.7.2

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.11 Disconnect Indication call state N12 (Outgoing call)

5.2.11.1 Valid

L3N_N12O_V_001 subclause 5.3.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

L3N_N12O_V_002 subclause 5.3.6

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12O_V_003 clause 5

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of an INFORMATION message, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_V_004 clause 5

Ensure that the IUT in the Disconnect Indication call state N12, to provide additional information, sends an INFORMATION message and remains in the Disconnect Indication call state N12.

L3N_N12O_V_005 subclause 5.3.5

Ensure that the IUT in the Disconnect Indication call state N12, having sent a DISCONNECT message without a Progress indicator information element, on expiry of the mandatory timer T305, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12O_V_006 subclause 5.3.5

Ensure that the IUT in the Disconnect Indication call state N12, having sent a DISCONNECT message with a Progress indicator information element indicating in the progress description the value 8 "in-band information or appropriate pattern now available", on expiry of timer T306, sends a RELEASE message and enters the Release Request call state N19.

L3N_N12O_V_007 subclause 5.8.10

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Disconnect Indication call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Disconnect Indication call state N12.

5.2.11.2 Inopportune

L3N_N12O_I_001 subclause 5.8

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Disconnect Indication call state N12 or processes the message as valid.

L3N_N12O_I_002 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message using the dummy call reference, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Disconnect Indication call state N12 for CR1, on receipt of a RELEASE message for CR2 which is not recognized as relating to a call, sends a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Null call state N00 for CR2 and remains in the Disconnect Indication call state N12 for CR1.

L3N_N12O_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_I_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Disconnect Indication call state N12.

L3N_N12O_I_006 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Disconnect Indication call state N12.

L3N_N12O_I_007 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N12O_I_008 subclause 5.8.8

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_I_009 subclause 5.8.11

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.11.3 Syntactically invalid

L3N_N12O_S_001 subclause 5.8.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_S_002 subclause 5.8.2

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a message which is too short, sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_S_003 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_S_004 subclause 5.8.3.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Disconnect Indication call state N12.

L3N_N12O_S_005 subclause 5.8.4

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Disconnect Indication call state N12.

L3N_N12O_S_006 subclauses 5.8.7.1, 5.8.6.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an unrecognized information element (coded comprehension required), sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Null call state N00.

L3N_N12O_S_007 subclause 5.8.7.1

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with an unrecognized information element (coded comprehension not required), sends a RELEASE COMPLETE message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented" and enters the Null call state N00.

L3N_N12O_S_008 subclause 5.8.7.2

Ensure that the IUT in the Disconnect Indication call state N12, on receipt of a RELEASE message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.12 Release Request call state N19 (Incoming call)

5.2.12.1 Valid

L3N_N19I_V_001 subclause 5.3.3

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N19I_V_002 subclause 5.3.6

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE message, sends no message and enters the Null call state N00.

L3N_N19I_V_003 subclauses 5.3.6, 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of a DISCONNECT message, sends no message and remains in the Release Request call state N19.

L3N_N19I_V_004 subclause 5.3.5

Ensure that the IUT in the Release Request call state N19, on the first expiry of the mandatory timer T308, sends a RELEASE message and remains in the Release Request call state N19.

L3N_N19I_V_005 subclause 5.3.5

Ensure that the IUT in the Release Request call state N19, on the second expiry of the mandatory timer T308, sends no message and enters the Null call state N00.

L3N_N19I_V_006 subclause 5.8.10

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Release Request call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Release Request call state N19.

5.2.12.2 Inopportune

L3N_N19I_I_001 subclause 5.8

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Release Request call state N19 or processes the message as valid.

L3N_N19I_I_002 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message using the dummy call reference, sends no message and remains in the Release Request call state N19.

L3N_N19I_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Release Request call state N19 for CR1, on receipt of a RELEASE COMPLETE message for CR2 which is not recognized as relating to a call, sends no message for CR2 and remains in the Null call state N00 for CR2 and remains in the Release Request call state N19 for CR1.

L3N_N19I_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Release Request call state N19.

L3N_N19I_I_005 subclause 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Release Request call state N19.

L3N_N19I_I_006 subclause 5.8.8

Ensure that the IUT in the Release Request call state N19, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Release Request call state N19.

L3N_N19I_I_007 subclause 5.8.11

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

L3N_N19I_I_008 subclause 5.8.11

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS message with a Call state information element indicating a call state other than the Null call state, sends no message and remains in the Release Request call state N19.

5.2.12.3 Syntactically invalid

L3N_N19I_S_001 subclause 5.8.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Release Request call state N19.

L3N_N19I_S_002 subclause 5.8.2

Ensure that the IUT in the Release Request call state N19, on receipt of a message which is too short, sends no message and remains in the Release Request call state N19.

L3N_N19I_S_003 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Release Request call state N19.

L3N_N19I_S_004 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Release Request call state N19.

L3N_N19I_S_005 subclause 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Release Request call state N19.

L3N_N19I_S_006 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an unrecognized information element (coded comprehension required), sends no message and enters the Null call state N00.

L3N_N19I_S_007 subclause 5.8.7.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an unrecognized information element (coded comprehension not required), sends no message and enters the Null call state N00.

L3N_N19I_S_008 subclause 5.8.7.2

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.13 Release Request call state N19 (Outgoing call)

5.2.13.1 Valid

L3N_N19O_V_001 subclause 5.3.3

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

L3N_N19O_V_002 subclause 5.3.6

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE message, sends no message and enters the Null call state N00.

L3N_N19O_V_003 subclauses 5.3.6 and 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of a DISCONNECT message, sends no message and remains in the Release Request call state N19.

L3N_N19O_V_004 subclause 5.3.5

Ensure that the IUT in the Release Request call state N19, on the first expiry of the mandatory timer T308, sends a RELEASE message and remains in the Release Request call state N19.

L3N_N19O_V_005 subclause 5.3.5

Ensure that the IUT in the Release Request call state N19, on the second expiry of the mandatory timer T308, sends no message and enters the Null call state N00.

L3N_N19O_V_006 subclause 5.8.10

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Release Request call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Release Request call state N19.

5.2.13.2 Inopportune

L3N_N19O_I_001 subclause 5.8

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Release Request call state N19 or processes the message as valid.

L3N_N19O_I_002 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message using the dummy call reference, sends no message and remains in the Release Request call state N19.

L3N_N19O_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Release Request call state N19 for CR1, on receipt of a RELEASE COMPLETE message for CR2 which is not recognized as relating to a call, sends no message for CR2 and remains in the Null call state N00 for CR2 and remains in the Release Request call state N19 for CR1.

L3N_N19O_I_004 subclause 5.8.3.2 e)

Ensure that the IUT in the Release Request call state N19 (outgoing call), on receipt of a SETUP message with a call reference that is already in use, sends no message and remains in the Release Request call state N19.

L3N_N19O_I_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Release Request call state N19.

L3N_N19O_I_006 subclause 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of an inopportune message (CONNECT), sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Release Request call state N19.

L3N_N19O_I_007 subclause 5.8.8

Ensure that the IUT in the Release Request call state N19, on receipt of a DL-ESTABLISH-INDICATION, sends no message and remains in the Release Request call state N19.

L3N_N19O_I_008 subclause 5.8.11

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

L3N_N19O_I_009 subclause 5.8.11

Ensure that the IUT in the Release Request call state N19, on receipt of a STATUS message with a Call state information element indicating a call state other than the Null call state, sends no message and remains in the Release Request call state N19.

5.2.13.3 Syntactically invalid

L3N_N19O_S_001 subclause 5.8.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Release Request call state N19.

L3N_N19O_S_002 subclause 5.8.2

Ensure that the IUT in the Release Request call state N19, on receipt of a message which is too short, sends no message and remains in the Release Request call state N19.

L3N_N19O_S_003 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Release Request call state N19.

L3N_N19O_S_004 subclause 5.8.3.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Release Request call state N19.

L3N_N19O_S_005 subclause 5.8.4

Ensure that the IUT in the Release Request call state N19, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Release Request call state N19.

L3N_N19O_S_006 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an unrecognized information element (coded comprehension required), sends no message and enters the Null call state N00.

L3N_N19O_S_007 subclause 5.8.7.1

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with an unrecognized information element (coded comprehension not required), sends no message and enters the Null call state N00.

L3N_N19O_S_008 subclause 5.8.7.2

Ensure that the IUT in the Release Request call state N19, on receipt of a RELEASE COMPLETE message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.14 Call Abort call state N22

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

NOTE: No inopportune or invalid test group has been produced for the Call Abort call state, as the reaching of this call state is already caused by an inopportune behaviour.

L3N_N22_V_001 subclauses 5.2.5.4 and 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of a SETUP ACKNOWLEDGE message, sends a RELEASE message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_002 subclauses 5.2.5.4 and 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of an ALERTING message, sends a RELEASE message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_003 subclauses 5.2.5.4 and 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of a CONNECT message, sends a RELEASE message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_004 subclauses 5.2.5.4 and 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of a CALL PROCEEDING message, sends a RELEASE message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_005 subclauses 5.2.5.4, 5.3.2 e) and 5.8.3.2 a)

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of a SETUP ACKNOWLEDGE message, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_006 subclauses 5.2.5.4, 5.3.2 e) and 5.8.3.2 a)

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of an ALERTING message, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_007 subclauses 5.2.5.4, 5.3.2 e) and 5.8.3.2 a)

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of a CONNECT message, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_008 subclauses 5.2.5.4, 5.3.2 e) and 5.8.3.2 a)

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of a CALL PROCEEDING message, sends a RELEASE or a RELEASE COMPLETE message with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 for that individual process.

L3N_N22_V_009 subclauses 5.3.2 e), ETS 300 403-2 [2] figure 5 sheet 65

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and remains in the Call Abort call state N22.

L3N_N22_V_010 subclauses 5.3.2 e), ETS 300 403-2 [2] figure 5 sheet 65

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of a RELEASE message, when there is still another CES active, sends a RELEASE COMPLETE message and remains in the Call Abort call state N22.

L3N_N22_V_011 subclauses 5.3.2 e), ETS 300 403-2 [2] figure 5 sheet 65

Ensure that the IUT in the Call Abort call state N22, while the mandatory timer T312 is running, on receipt of a RELEASE COMPLETE message, sends no message and remains in the Call Abort call state N22.

L3N_N22_V_012 subclauses 5.3.2 e), ETS 300 403-2 [2] figure 5 sheet 65

Ensure that the IUT in the Call Abort call state N22, after the expiry of the mandatory timer T312, on receipt of a RELEASE COMPLETE message, when there is still another CES active, sends no message and remains in the Call Abort call state N22.

L3N_N22_V_013 subclause 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, on the expiry of the mandatory timer T312, when there is still a CES active, sends no message and remains in the Call Abort call state N22.

L3N_N22_V_014 subclause 5.3.2 e)

Ensure that the IUT in the Call Abort call state N22, on the expiry of the mandatory timer T312, when there is no CES active, sends no message and enters the Null call state N00.

5.2.15 Overlap Receiving call state N25

Selection: IUT supports overlap receiving (from the user's point of view) procedures. PICS: MCn 2.2.

5.2.15.1 Valid

5.2.15.1.1 Point-to-point configuration

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N25_V_001 subclause 5.2.5.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a CALL PROCEEDING message, sends no message and enters the Incoming Call Proceeding call state N09.

L3N_N25_V_002 subclause 5.2.5.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an ALERTING message, sends no message and enters the Call Received call state N07.

L3N_N25_V_003 subclauses 5.2.5.1 and 5.2.8

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a CONNECT message, sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.

L3N_N25_V_004 clause 5

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an INFORMATION message, sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_V_005 subclause 5.2.6

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an PROGRESS message, sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_V_006 subclause 5.3.3

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a DISCONNECT message, sends a RELEASE message and enters the Release Request call state N19.

L3N_N25_V_007 subclause 5.3.4

Ensure that the IUT in the Overlap Receiving call state N25, to indicate that the remote user has sent an invitation to clear the call, sends a DISCONNECT message and enters the Disconnect Indication call state N12.

L3N_N25_V_008 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, on the expiry of the mandatory (if overlap receiving is implemented) timer T304, sends a DISCONNECT message with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Disconnect Indication call state N12.

L3N_N25_V_009 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, to provide the remainder of the call information, sends an INFORMATION message and remains in the Overlap Receiving call state N25.

L3N_N25_V_010 subclause 5.8.10

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Overlap Receiving call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Overlap Receiving call state N25.

5.2.15.1.2 Point-to-multipoint configuration

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_V_011 subclauses 5.2.3.2 and 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 without the Channel identification information element, sends no message and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Overlap Receiving call state N25 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_012 subclause 5.2.3.2

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_013 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a SETUP ACKNOWLEDGE message for CES2 without the Channel identification information element, sends a RELEASE message for CES2 with a Cause information element indicating the cause value 26 "non-selected user clearing" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports clearing of subsequent responding users after the first SETUP ACKNOWLEDGE message. PICS: SC 5.

L3N_N25_V_014 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CALL PROCEEDING message for CES2 without the Channel identification information element, sends no message and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Incoming Call Proceeding call state N09 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_015 subclause 5.2.3.2

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CALL PROCEEDING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_016 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CALL PROCEEDING message for CES2 without the Channel identification information element, sends a RELEASE message for CES2 with a Cause information element indicating the cause value 26 "non-selected user clearing" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports clearing of subsequent responding users after the first SETUP ACKNOWLEDGE message. PICS: SC 5.

L3N_N25_V_017 subclauses 5.2.3.2 and 5.2.5.1

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a ALERTING message for CES2 without the Channel identification information element, sends no message and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Call Received call state N07 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_018 subclause 5.2.3.2

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a ALERTING message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_019 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of an ALERTING message for CES2 without the Channel identification information element, sends a RELEASE message for CES2 with a Cause information element indicating the cause value 26 "non-selected user clearing" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports clearing of subsequent responding users after the first SETUP ACKNOWLEDGE message. PICS: SC 5.

L3N_N25_V_020 subclauses 5.2.3.2, 5.2.5.1 and 5.2.8

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CONNECT message for CES2 without the Channel identification information element, sends a CONNECT ACKNOWLEDGE message for CES2 and a RELEASE message for CES1 with a Cause information element indicating the cause value 26 "non-selected user clearing" and enters the Release Request call state N19 for the call at CES1 and enters the Active call state N10 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_021 subclause 5.2.3.2

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CONNECT message for CES2 with the Channel identification information element indicating another B-channel than received in the SETUP message and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", sends a RELEASE message for CES2 with a Cause information element indicating the cause value 6 "channel unacceptable" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_V_022 subclause 5.2.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a CONNECT message for CES2 without the Channel identification information element, sends a RELEASE message for CES2 with a Cause information element indicating the cause value 26 "non-selected user clearing" and remains in the Overlap Receiving call state N25 for the call at CES1 and enters the Release Request call state N19 for the call at CES2.

Selection: IUT supports clearing of subsequent responding users after the first SETUP ACKNOWLEDGE message. PICS: SC 5.

L3N_N25_V_023 subclause 5.2.5.3

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N25_V_024 subclause 5.2.5.3

Ensure that the IUT in the Overlap Receiving call state N25, having received SETUP ACKNOWLEDGE messages for CES1 and CES2, after the expiry of the mandatory timer T312, on receipt of a DISCONNECT message for CES1, sends a RELEASE message for CES1 and enters the Release Request call state N19 for the call at CES1 and remains in the Overlap Receiving call state N25 for the call at CES2.

L3N_N25_V_025 subclause 5.3.2 e)1)

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, to indicate a network disconnect indication, sends a RELEASE message for CES1 and enters the Release Request call state N19.

L3N_N25_V_026 subclause 5.2.5.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on the expiry of the mandatory (if overlap receiving is implemented) timer T304, sends a RELEASE message for CES1 with a Cause information element indicating the cause value 102 "recovery on timer expiry" and enters the Release Request call state N19.

L3N_N25_V_027 clause 5

Ensure that the IUT in the Overlap Receiving call state N25, to provide the remainder of the call information, sends an INFORMATION message and remains in the Overlap Receiving call state N25.

L3N_N25_V_028 subclause 5.8.10

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a STATUS ENQUIRY message, sends a STATUS message with a Call state information element indicating the Overlap Receiving call state and a Cause information element indicating the cause value 30 "response to STATUS ENQUIRY", 97 "message type non-existent or not implemented" or 98 "message not compatible with call state" and remains in the Overlap Receiving call state N25.

5.2.15.2 Inopportune

L3N_N25_I_001 subclause 5.8

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Overlap Receiving call state N25 or processes the message as valid.

L3N_N25_I_002 subclause 5.8.3.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message using the dummy call reference, sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_I_003 subclause 5.8.3.2 a)

Ensure that the IUT in the Overlap Receiving call state N25 for CR1, on receipt of a CALL PROCEEDING message for CR2 which is not recognized as relating to a call, sends a RELEASE or a RELEASE COMPLETE message for CR2 with a Cause information element indicating the cause value 81 "invalid call reference value" and enters the Release Request call state N19 or remains in the Null call state N00 for CR2 and remains in the Overlap Receiving call state N25 for CR1.

L3N_N25_I_004 subclause 5.8.3.2 f)

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Overlap Receiving call state N25.

L3N_N25_I_005 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a SETUP ACKNOWLEDGE message, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message and remains in the Overlap Receiving call state N25.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N25_I_006 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES2, on receipt of a DISCONNECT message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Overlap Receiving call state N25 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_007 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES2, on receipt of a INFORMATION message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Overlap Receiving call state N25 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_008 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES2, on receipt of a PROGRESS message for CES1, sends either a STATUS message for CES1 with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" or a STATUS ENQUIRY message for CES1 and remains in the Overlap Receiving call state N25 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_009 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a RELEASE message, sends a RELEASE COMPLETE message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N25_I_010 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a RELEASE message for CES2, sends a RELEASE COMPLETE message for CES2 and remains in the Overlap Receiving call state N25 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_011 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a RELEASE message for CES1, sends a RELEASE COMPLETE message for CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_012 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a RELEASE COMPLETE message, sends no message and enters the Null call state N00.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N25_I_013 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, on receipt of a RELEASE COMPLETE message for CES2, sends no message and remains in the Overlap Receiving call state N25 for the call at CES1.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_014 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received SETUP ACKNOWLEDGE messages for CES1 and CES2, on receipt of a RELEASE COMPLETE message for CES1, sends no message and remains in the Overlap Receiving call state N25 for the call at CES2.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.
IUT supports acceptance of up to 8 SETUP ACKNOWLEDGE messages. PICS: SC 4.2.

L3N_N25_I_015 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, having received a SETUP ACKNOWLEDGE message for CES1, after the expiry of the mandatory timer T312, on receipt of a RELEASE COMPLETE message for CES1, sends no message.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_016 subclause 5.8.8 a)

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a DL-ESTABLISH-INDICATION, sends a DISCONNECT message with a Cause information element indicating the cause value 41 "temporary failure" and enters the Disconnect Indication call state N12.

Selection: IUT supports the point-to-point configuration. PICS: R 7.1.

L3N_N25_I_017 subclause 5.8.8 a)

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a DL-ESTABLISH-INDICATION, sends a RELEASE message with a Cause information element indicating the cause value 41 "temporary failure" and enters the Release Request call state N19.

Selection: IUT supports the point-to-multipoint configuration. PICS: R 7.2.

L3N_N25_I_018 subclause 5.8.11

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a STATUS message with a Call state information element indicating the Null call state, sends no message and enters the Null call state N00.

5.2.15.3 Syntactically invalid

L3N_N25_S_001 subclause 5.8.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_S_002 subclause 5.8.2

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a message which is too short, sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_S_003 subclause 5.8.3.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_S_004 subclause 5.8.3.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Overlap Receiving call state N25.

L3N_N25_S_005 subclause 5.8.4

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a message with an unrecognized message type, sends either a STATUS message with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 97 "message type non-existent or not implemented" or a STATUS ENQUIRY message and remains in the Overlap Receiving call state N25.

L3N_N25_S_006 subclause 5.8.5.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with a non-mandatory information element out of sequence, processes the message as valid.

L3N_N25_S_007 subclause 5.8.6.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a DISCONNECT message with a mandatory information element missing, sends a RELEASE message with a Cause information element indicating the cause value 96 "mandatory information element missing" and enters the Release Request call state N19.

L3N_N25_S_008 subclause 5.8.6.2

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of a DISCONNECT message with a mandatory information element content error, sends a RELEASE message with a Cause information element indicating the cause value 100 "invalid information element contents" and enters the Release Request call state N19.

L3N_N25_S_009 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with an unrecognized information element (coded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Overlap Receiving call state N25.

L3N_N25_S_010 subclause 5.8.7.1

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with an unrecognized information element (coded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_N25_S_011 subclause 5.8.7.2

Ensure that the IUT in the Overlap Receiving call state N25, on receipt of an CALL PROCEEDING message with a non-mandatory information element content error, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.16 Restart Null call state R00 (Incoming call)

Selection: IUT supports restart procedure (incoming RESTART message). PICS: MCn 5.1.

5.2.16.1 Valid

L3N_R00I_V_001 subclause 5.5.1

Ensure that the IUT in the Restart Null call state R00, to return channels to an idle condition, sends a RESTART message and enters the Restart Request call state R01.

L3N_R00I_V_002 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message, sends a RESTART ACKNOWLEDGE message and re-enters the Restart Null call state R00 and enters the Null call state N00.

L3N_R00I_V_003 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "All interfaces", sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "All interfaces" and re-enters the Restart Null call state R00.

L3N_R00I_V_004 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Single interfaces", sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Single interfaces" and re-enters the Restart Null call state R00.

L3N_R00I_V_005 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating a single B-channel, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating the same B-channel and re-enters the Restart Null call state R00.

L3N_R00I_V_006 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating two B-channels, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in one or two Channel identification information elements and re-enters the Restart Null call state R00.

Selection: IUT supports the primary rate access. PICS: R 6.2.

L3N_R00I_V_007 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in two Channel identification information elements, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in one or two Channel identification information elements and re-enters the Restart Null call state R00.

Selection: IUT supports the primary rate access. PICS: R 6.2.

L3N_R00I_V_008 subclause 5.5.3

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART ACKNOWLEDGE message, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

5.2.16.2 Inopportune

L3N_R00I_I_001 subclause 5.8

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Restart Null call state R00 and the Active call state N10 or processes the message as valid.

L3N_R00I_I_002 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message using the dummy call reference, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_I_003 subclause 5.8.5.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a duplicated Restart indicator information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

5.2.16.3 Syntactically invalid

L3N_R00I_S_001 subclause 5.8.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_002 subclause 5.8.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a message using the global call reference which is too short, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_003 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_004 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a message using the global call reference with an unrecognized message type, sends a STATUS message using the global call reference with a Call state information element indicating the Restart null call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_006 subclause 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Restart indicator) missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_007 subclauses 5.5.2 and 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_008 subclause 5.8.6.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Restart indicator) content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_009 subclause 5.8.6.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_010 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an unrecognized information element (encoded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00I_S_011 subclause 5.8.7.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an unrecognized information element (encoded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_R00I_S_012 subclauses 5.5.2, 5.8.7.3 and 5.8.7.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an information element (Channel identification, Restart indicator indicating "all interfaces") that is not defined to be contained in that message, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.17 Restart null call state R00 (Outgoing call)

Selection: IUT supports restart procedure (incoming RESTART message). PICS: MCn 5.1.

5.2.17.1 Valid

L3N_R00O_V_001 subclause 5.5.1

Ensure that the IUT in the Restart Null call state R00, to return channels to an idle condition, sends a RESTART message and enters the Restart Request call state R01.

L3N_R00O_V_002 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message, sends a RESTART ACKNOWLEDGE message and re-enters the Restart Null call state R00 and enters the Null call state N00.

L3N_R00O_V_003 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "All interfaces", sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "All interfaces" and re-enters the Restart Null call state R00.

L3N_R00O_V_004 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Single interfaces", sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Single interfaces" and re-enters the Restart Null call state R00.

L3N_R00O_V_005 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating a single B-channel, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating the same B-channel and re-enters the Restart Null call state R00.

L3N_R00O_V_006 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and the Channel identification information element indicating two B-channels, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in one or two Channel identification information elements and re-enters the Restart Null call state R00.

L3N_R00O_V_007 subclause 5.5.2

Ensure that the IUT in the Restart Null call state R00, on receipt of a RESTART message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in two Channel identification information elements, sends a RESTART ACKNOWLEDGE message with the Restart indicator information element indicating "Indicated channels" and indicating two B-channels in one or two Channel identification information elements and re-enters the Restart Null call state R00.

L3N_R00O_V_008 subclause 5.5.3

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART ACKNOWLEDGE message, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

5.2.17.2 Inopportune

L3N_R00O_I_001 subclause 5.8

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Restart Null call state R00 and the Active call state N10 or processes the message as valid.

L3N_R00O_I_002 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message using the dummy call reference, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_I_003 subclause 5.8.5.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a duplicated Restart indicator information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

5.2.17.3 Syntactically invalid

L3N_R00O_S_001 subclause 5.8.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_002 subclause 5.8.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a message using the global call reference which is too short, sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_003 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_004 subclause 5.8.3.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a message using the global call reference with an unrecognized message type, sends a STATUS message using the global call reference with a Call state information element indicating the Restart null call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_006 subclause 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Restart indicator) missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_007 subclauses 5.5.2 and 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_008 subclause 5.8.6.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Restart indicator) content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_009 subclause 5.8.6.2

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_010 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an unrecognized information element (encoded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Null call state R00 and the Active call state N10.

L3N_R00O_S_011 subclause 5.8.7.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an unrecognized information element (encoded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

L3N_R00O_S_012 subclauses 5.5.2, 5.8.7.3 and 5.8.7.1

Ensure that the IUT in the Restart Null call state R00 and the Active call state N10, on receipt of a RESTART message with an information element (Channel identification, Restart indicator indicating "all interfaces") that is not defined to be contained in that message, processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents".

5.2.18 Restart Request call state R01

Selection: IUT supports initiation of restart procedure. PICS: MCu 5.2.

5.2.18.1 Valid

L3N_R01_V_001 subclause 5.5.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message, sends no message, returns the channels/interfaces to an idle condition and enters the Restart Null call state R00.

L3N_R01_V_002 subclause 5.5.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a SETUP message with the Channel identification information element indicating a B-channel and indicating in the preferred/exclusive bit "exclusive: only the indicated channel is acceptable", when that B-channel is not in an idle condition, sends a RELEASE COMPLETE message and remains in the Restart Request call state R01.

L3N_R01_V_003 subclause 5.5.1

Ensure that the IUT in the Restart Request call state R01, on the first expiry of the mandatory (if restart procedures are implemented) timer T316, sends a RESTART message and remains in the Restart Request call state R01.

5.2.18.2 Inopportune

L3N_R01_I_001 subclauses 5.5.3 and 5.8.4

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART message, sends a STATUS message using the global call reference with a Cause information element indicating the cause value 98 "message type not compatible with call state or message type non-existent or not implemented" or 101 "message not compatible with call state" and remains in the Restart Request call state R01.

L3N_R01_I_002 subclause 5.8

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message delivered in a DL-UNIT-DATA-INDICATION, sends no message and remains in the Restart Request call state R01 or processes the message as valid.

L3N_R01_I_003 subclause 5.8.3.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message using the dummy call reference, sends no message and remains in the Restart Request call state R01.

L3N_R01_I_004 subclause 5.8.3.2 f

Ensure that the IUT in the Restart Request call state R01, on receipt of an INFORMATION message using the global call reference, sends a STATUS message using the global call reference with a Call state information element indicating the Restart Request call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Restart Request call state R01.

L3N_R01_I_005 subclause 5.8.5.2

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with a duplicated Restart indicator information element (repetition not permitted), ignores the second occurrence of that information element and processes the remaining contents of the message as valid.

L3N_R01_I_006 subclause 5.8.11

Ensure that the IUT in the Restart Request call state R01, on receipt of a STATUS message using the global call reference with a Call state information element indicating a call state that is incompatible with the Restart Request call state, sends no message and remains in the Restart Request call state R01.

5.2.18.3 Syntactically invalid

L3N_R01_S_001 subclause 5.8.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with an erroneous protocol discriminator, coded other than '08'H, sends no message and remains in the Restart Request call state R01.

L3N_R01_S_002 subclause 5.8.2

Ensure that the IUT in the Restart Request call state R01, on receipt of a message using the global call reference which is too short, sends no message and remains in the Restart Request call state R01.

L3N_R01_S_003 subclause 5.8.3.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with an invalid call reference format (octet 1, bits 8 to 5 ≠ '0000'B), sends no message and remains in the Restart Request call state R01.

L3N_R01_S_004 subclause 5.8.3.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with an invalid call reference format (octet 1, bits 4 to 1, length value too high), sends no message and remains in the Restart Request call state R01.

L3N_R01_S_005 subclause 5.8.3.2 f)

Ensure that the IUT in the Restart Request call state R01, on receipt of a message using the global call reference with an unrecognized message type, sends a STATUS message using the global call reference with a Call state information element indicating the Restart Request call state associated with the global call reference and a Cause information element indicating the cause value 81 "invalid call reference value" and remains in the Restart Request call state R01.

L3N_R01_S_006 subclause 5.8.6.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with a mandatory information element (Restart indicator) missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Request call state R01.

L3N_R01_S_007 subclause 5.8.6.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") missing, sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Request call state R01.

L3N_R01_S_008 subclause 5.8.6.2

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with a mandatory information element (Restart indicator) content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Request call state R01.

L3N_R01_S_009 subclause 5.8.6.2

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with a mandatory information element (Channel identification, Restart indicator indicating "indicated channel") content error, sends a STATUS message with a Cause information element indicating the cause value 100 "invalid information element contents" and remains in the Restart Request call state R01.

L3N_R01_S_010 subclauses 5.8.7.1 and 5.8.6.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with an unrecognized information element (encoded comprehension required), sends a STATUS message with a Cause information element indicating the cause value 96 "mandatory information element missing" and remains in the Restart Request call state R01.

L3N_R01_S_011 subclause 5.8.7.1

Ensure that the IUT in the Restart Request call state R01, on receipt of a RESTART ACKNOWLEDGE message with an unrecognized information element (encoded comprehension not required), processes the message as valid and optionally sends a STATUS message with a Cause information element indicating the cause value 99 "information element non-existent or not implemented".

5.2.19 Message segmentation procedure

NOTE: The following TPs are used to test the behaviour of the IUT when using the message segmentation procedures. As an example these procedures are tested in the Active call state N10. It is for further study, if TPs covering the remaining call states are necessary.

Selection: IUT supports message segmentation procedures. PICS: MCn 13.

5.2.19.1 Valid

L3N_SEG_V_001 clause H.2

Ensure that the IUT in the Active call state N10, to send a DISCONNECT message with a message length exceeding N201, send this DISCONNECT message in two or more subsequent SEGMENT messages and enters the Disconnect Indication call state N12.

L3N_SEG_V_002 clause H.3 a), b), c)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in two subsequent SEGMENT messages, sends a RELEASE message and enters the Release Request call state N19.

5.2.19.2 Inopportune

L3N_SEG_I_001 clause H.3 d), f)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in two subsequent SEGMENT messages with a time delay between the two SEGMENT messages that is greater than T314, sends no message and remains in the Active call state N10.

L3N_SEG_I_002 clause H.3 e)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in nine subsequent SEGMENT messages, sends no message and remains in the Active call state N10.

L3N_SEG_I_003 clause H.3 g)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in three subsequent SEGMENT messages where the second SEGMENT message indicates in the Segmented message information element that two remaining segments within the message are to be sent, sends no message and remains in the Active call state N10.

L3N_SEG_I_004 clause H.3 h)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in two subsequent SEGMENT messages where a DL-ESTABLISH-INDICATION primitive is received between the SEGMENT messages, sends no message and remains in the Active call state N10.

L3N_SEG_I_005 clause H.3 i)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in two subsequent SEGMENT messages where the first SEGMENT message indicates in the First segment indicator field of the Segmented message information element the value 0 "subsequent segment to first segment", sends no message and remains in the Active call state N10.

L3N_SEG_I_006 clause H.3 j)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in three subsequent SEGMENT messages where the second SEGMENT message contains no Segmented message information element, sends no message and remains in the Active call state N10.

L3N_SEG_I_007 clause H.3 k)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in three subsequent SEGMENT messages where the second SEGMENT message contains no octets of the segmented message, sends no message and remains in the Active call state N10.

5.2.19.3 Syntactically invalid

L3N_SEG_S_001 clause H.3 f)

Ensure that the IUT in the Active call state N10, on receipt of a DISCONNECT message that is segmented and sent in two subsequent SEGMENT messages where the first SEGMENT message does not contain a call reference, sends no message and remains in the Active call state N10.

6 Compliance

An ATS which complies with this TSS&TP specification shall:

a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 5;

b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 4;

c) use the same naming conventions for the test groups and test cases;

d) maintain the relationship specified in clause 5 between the test groups and TPs and the entries in the PICS proforma to be used for test case deselection;

e) comply with ISO/IEC 9646-2 [5].

In the case of a) or b) above, a subset shall be used only where a particular Abstract Test Method (ATM) makes some TPs untestable. All testable TPs from clause 5 shall be included in a compliant ATS.

7 Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [5], shall be used by any organization claiming to provide a comprehensive testing service for user equipment claiming conformance to EN 300 403-1 [1] and ETS 300 403-2 [2].

History

Document history		
Edition 1	January 1997	Publication as ETS 300 403-6
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