Broadband Integrated Services Digital Network (B-ISDN);
Digital Subscriber Signalling System No. two (DSS2) protocol;
B-ISDN user-network interface layer 3 specification
for basic call/bearer control;
Part 3: Test Suite Structure and Test Purposes (TSS&TP)
for the user
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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 3 of a multi-part deliverable covering Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control, as identified below:

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";
Part 3: "Test Suite Structure and Test Purposes (TSS&TP) for the user";
Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";
Part 5: "Test Suite Structure and Test Purposes (TSS&TP) for the network";
Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

### Proposed national transposition dates

| Date of latest announcement of this EN (doa): | 3 months after ETSI publication |
| Date of latest publication of new National Standard or endorsement of this EN (dop/e): | 6 months after doa |
| Date of withdrawal of any conflicting National Standard (dow): | 6 months after doa |
1 Scope

The present document specifies the network Test Suite Structure and Test Purposes (TSS&TP) for the $T_B$ reference point or coincident $S_B$ and $T_B$ reference point (as defined in ITU-T Recommendation I.413 [5]) of implementations conforming to the standards for the signalling user-network layer 3 specification for basic call/bearer control of the Digital Subscriber Signalling System No. two (DSS2) protocol for the pan-European Broadband Integrated Services Digital Network (B-ISDN), EN 300 443-1 [1].

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.

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 and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI EN 300 443-1 (2.0.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]."

[2] ETSI EN 300 443-2 (V1.3.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".


3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in EN 300 443-1 [1] and the following apply.

3.1.1 Definitions related to conformance testing

abstract test case: refer to ISO/IEC 9646-1 [3]


Abstract Test Suite (ATS): refer to ISO/IEC 9646-1 [3]


lower tester: refer to ISO/IEC 9646-1 [3]


PICS proforma: refer to ISO/IEC 9646-1 [3]


PIXIT proforma: refer to ISO/IEC 9646-1 [3]

Test Purpose (TP): refer to ISO/IEC 9646-1 [3]

3.1.2 Definitions related to EN 300 443-1

user: DSS2 protocol entity at the User side of the user-network interface where a T_B reference point or coincident S_B and T_B reference point applies

user (S_B/T_B): DSS2 protocol entity at the User side of the user-network interface where a coincident S_B and T_B reference point applies

user (T_B): DSS2 protocol entity at the User side of the user-network interface where a T_B reference point applies (user is a private ISDN)

3.2 Abbreviations

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

ATM Abstract Test Method
ATS Abstract Test Suite
B-ISDN Broadband Integrated Services Digital Network
DSS2 Digital Subscriber Signalling System No. two
IUT Implementation Under Test
N-ISDN Narrowband Integrated Services Digital Network
PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing
Rest 0 Restart Null state
Rest 1 Restart Request state
Rest 2 Restart state
TP Test Purpose
TSS Test Suite Structure
U0 Null call state
U1 Call Initiated call state
U10 Active call state
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>U11</td>
<td>Release Request call state</td>
</tr>
<tr>
<td>U25</td>
<td>Overlap Receiving call state</td>
</tr>
<tr>
<td>U3</td>
<td>Outgoing Call Proceeding call state</td>
</tr>
<tr>
<td>U4</td>
<td>Call Delivered call state</td>
</tr>
<tr>
<td>U7</td>
<td>Call Received call state</td>
</tr>
<tr>
<td>U8</td>
<td>Connect request call state</td>
</tr>
<tr>
<td>U9</td>
<td>Incoming Call Proceeding call state</td>
</tr>
<tr>
<td>VC</td>
<td>Virtual Channel</td>
</tr>
<tr>
<td>VCI</td>
<td>Virtual Channel Identifier</td>
</tr>
<tr>
<td>VP</td>
<td>Virtual Path</td>
</tr>
<tr>
<td>VPC</td>
<td>Virtual Path Connection</td>
</tr>
<tr>
<td>VPCI</td>
<td>Virtual Path Connection Identifier</td>
</tr>
</tbody>
</table>
4 Test Suite Structure (TSS)

Signalling procedures at the coincident $S_B/T_B$ and at the $T_B$ reference points

Call/connection establishment at the originating interface
- Call/connection request ........................................... (01)
- Connection identifier (VPCI/VCI) allocation/selection
  - Associated signalling ....................................... (02)
  - Non-associated signalling .................................. (03)
- Call/connection proceeding .................................... (04)
- Call/connection confirmation indication .................. (05)
- Call/connection acceptance .................................... (06)

Call/connection establishment at the destination interface
- Address and compatibility check .............................. (07)
- Compatibility check .............................................. (08)
- Connection identifier (VPCI/VCI) allocation/selection
  - Associated signalling ....................................... (09)
  - Non-associated signalling .................................. (10)
- QOS and traffic parameters selection procedures ....... (11)
- Call/connection confirmation indication .................. (12)
- Active indication .................................................. (13)

Call/connection clearing
- Exception conditions .......................................... (14)
- Clearing initiated by the user ................................. (15)
- Clearing initiated by the network ......................... (16)
- Clear collision ..................................................... (17)

Restart procedure
- Sending RESTART ............................................... (18)
- Receipt of RESTART ............................................. (19)

Handling of error conditions
- Error handling in U0 ............................................. (20)
- Error handling in U1 ............................................. (21)
- Error handling in U3 ............................................. (22)
- Error handling in U4 ............................................. (23)
- Error handling in U7 ............................................. (24)
- Error handling in U8 ............................................. (25)
- Error handling in U9 ............................................. (26)
- Error handling in U10 - incoming call .................... (27)
- Error handling in U10 - outgoing call ..................... (28)
- Error handling in U11 - incoming call ..................... (29)
- Error handling in U11 - outgoing call ..................... (30)
- Error handling in Rest 0 ....................................... (31)
- Error handling in Rest 1 ....................................... (32)

Notification procedures ......................................... (33)

Signalling procedures for interworking between N-ISDN and B-ISDN
- Interworking N-ISDN -> B-ISDN ............................. (34)
- Interworking B-ISDN -> N-ISDN ............................. (35)

Other procedures
- ATM adaptation layer parameter indication and negotiation ......................................... (36)
  - Maximum CPCS-SDU size negotiation .................... (37)
  - MID range negotiation ...................................... (38)
  - Use of maximum CPS-SDU size .......................... (39)
  - AAL type selection and negotiation procedures ...... (40)
- Indication of using the recovered clock for transmission .................................................. (41)
- End-to-end completion indication procedures ............. (42)

Figure 1: 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 01, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual test suite (see table 1).

<table>
<thead>
<tr>
<th>Identifier:</th>
<th>&lt;suite_id&gt;<em>&lt;group&gt;</em>&lt;nnn&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;suite_id&gt;</td>
<td>= layer + type of IUT:</td>
</tr>
<tr>
<td>&lt;group&gt;</td>
<td>= group number:</td>
</tr>
<tr>
<td>&lt;nn&gt;</td>
<td>= sequential number:</td>
</tr>
</tbody>
</table>

5.1.2 Source of TP definition

The TPs are based on EN 300 443-1 [1].

5.1.3 Test strategy

As the base standard EN 300 443-1 [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 EN 300 443-2 [2].

The TPs are only based on conformance requirements related to the externally observable behaviour of the IUT, and are limited to conceivable situations to which a real implementation is likely to be faced (ETS 300 406 [6]).

5.1.4 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 clause 5.6.11 of EN 300 443-1 [1]. According to these procedures, the IUT on receipt of a STATUS ENQUIRY message, shall respond with a STATUS message indicating, in the fifth 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.
5.2 TPs for the basic call/bearer control, layer 3, user

All PICS items referred to in this clause are as specified in EN 300 443-2 [2] unless indicated otherwise by another numbered reference.

Unless specified:
- the messages indicated are valid and contain at least the mandatory information elements and possibly optional information elements;
- the information elements indicated are valid and contain at least the mandatory parameters and possibly optional parameters.

5.2.1 Signalling procedures at the coincident $S_B/T_B$ and at the $T_B$ reference points

Test purposes for EN 300 443-1 [1] clause 5.

5.2.1.1 Call/connection establishment at the originating interface

Test purposes for EN 300 443-1 [1] clause 5.1.

Selection: Outgoing calls supported. PICS: MCu 1.

5.2.1.1.1 Call/connection request (01)

Test purposes for EN 300 443-1 [1] clause 5.1.1.

Ensure that the IUT in U0, to initiate call establishment,

- sends a SETUP message (Quality of service parameter, Broadband bearer capability, ATM traffic descriptor present, consistent set of parameters) and enters U1.

L3BU_01_02

Ensure that the IUT in U0, to initiate call establishment by using the en bloc sending procedures,

- sends a SETUP message (Quality of service parameter, ATM traffic descriptor, Broadband sending complete present, consistent set of parameters) and enters U1.

L3BU_01_03

Ensure that the IUT in U1, on the first expiry of T303,

- sends a SETUP message (same contents as the first SETUP message) and remains in U1.

L3BU_01_04

Ensure that the IUT in U1, on the second expiry of T303,

- sends no message and enters U0.

5.2.1.1.2 Connection identifier (VPCI/VCI) allocation/selection

Test purposes for EN 300 443-1 [1] clause 5.1.2.

5.2.1.1.2.1 Associated signalling (02)

Test purposes for EN 300 443-1 [1] clause 5.1.2.1.

Selection: Associated signalling on the originating side supported. PICS: MCu 1.1.
L3BU_02_01
Ensure that the IUT in U0, to initiate a call,
- sends a SETUP message (Connection identifier present, VP-associated signalling = VP-associated signalling) and enters U1.

5.2.1.1.2.2 Non-associated signalling (03)
Test purposes for EN 300 443-1 [1] clause 5.1.2.2.

L3BU_03_01
Ensure that the IUT in U0, to initiate a call,
- sends a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI) and enters U1.

L3BU_03_02
Ensure that the IUT in U1, having sent a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; any VCI, virtual path connection identifier indicating a specific VPCI), on receipt of a CALL PROCEEDING message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a VPCI other than the sent one),
- sends a RELEASE message (Cause value = 36) and enters U11.

L3BU_03_03
Ensure that the IUT in U1, having sent a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a specific VPCI), on receipt of a CALL PROCEEDING message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a VPCI other than the sent one, virtual channel identifier indicating a VCI other than the sent one),
- sends a RELEASE message (Cause value = 36) and enters U11.

5.2.1.1.3 Call/connection proceeding (04)
Test purposes for EN 300 443-1 [1] clause 5.1.5.

L3BU_04_01
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message,
- sends no message and enters U3.

L3BU_04_02
Ensure that the IUT in U3, on the expiry of T310,
- sends a RELEASE message (Cause value = 102) and enters U11.

5.2.1.1.4 Call/connection confirmation indication (05)
Test purposes for EN 300 443-1 [1] clause 5.1.6.

L3BU_05_01
Ensure that the IUT in U3, on receipt of an ALERTING message,
- sends no message and enters U4.
5.2.1.1.5 Call/connection acceptance (06)

Test purposes for EN 300 443-1 [1] clause 5.1.7.

**L3BU_06_01**
Ensure that the IUT in U3, on receipt of a CONNECT message,
- sends a CONNECT ACKNOWLEDGE message and enters U10.

**L3BU_06_02**
Ensure that the IUT in U4, on receipt of a CONNECT message,
- sends a CONNECT ACKNOWLEDGE message and enters U10.

5.2.1.2 Call/connection establishment at the destination interface

Test purposes for EN 300 443-1 [1] clause 5.2.

5.2.1.2.1 Address and compatibility check

Test purposes for EN 300 443-1 [1] clause 5.2.2.

5.2.1.2.1.1 Address and compatibility check (07)

Test purposes for EN 300 443-1 [1] clauses 5.2.2.1 and B.3.1.

**L3BU_07_01**
Ensure that the IUT in U0, which has a number assigned to, on receipt of a SETUP message (Called party number present, Address/number digits indicating a mis-matching number),
- sends a RELEASE COMPLETE message and remains in U0.

**L3BU_07_02**
Ensure that the IUT in U0, which has a sub-address assigned to, on receipt of a SETUP message (Called party sub-address present, sub-address information indicating a mis-matching sub-address),
- sends a RELEASE COMPLETE message and remains in U0.

**L3BU_07_03**
Ensure that the IUT in U0, which has no number assigned to, on receipt of a SETUP message (Called party number present, Address/number digits indicating an invalid number),
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

**L3BU_07_04**
Ensure that the IUT in U0, which has no sub-address assigned to, on receipt of a SETUP message (Called party sub-address present, sub-address information indicating an invalid sub-address),
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

5.2.1.2.1.2 Compatibility check (08)

Test purposes for EN 300 443-1 [1] clauses 5.2.2.2, B.3.2, B.3.3.

**L3BU_08_01**
Ensure that the IUT in U0, on receipt of a SETUP message (Broadband bearer capability present, requesting a bearer service that is not supported),
- sends a RELEASE COMPLETE message (Cause value = 88) and remains in U0.
L3BU_08_02
Ensure that the IUT in U0, on receipt of a SETUP message (AAL parameters present, requesting a type of AAL that is not supported),
- sends no message or a RELEASE COMPLETE message (Cause value = 88) and remains in U0.

L3BU_08_03
Ensure that the IUT in U0, on receipt of a SETUP message (Incompatible Broadband low layer compatibility present),
- sends no message or a RELEASE COMPLETE message (Cause value = 88) and remains in U0.

L3BU_08_04
Ensure that the IUT in U0, on receipt of a SETUP message (Incompatible Broadband high layer compatibility present),
- sends no message or a RELEASE COMPLETE message (Cause value = 88) and remains in U0.

Selection: Check of Broadband high layer compatibility supported as part of user-to-user compatibility checking procedure.

5.2.1.2.2 Connection identifier (VPCI/VCI) allocation/selection
Test purposes for EN 300 443-1 [1] clause 5.2.3.

5.2.1.2.2.1 Associated signalling (09)
Test purposes for EN 300 443-1 [1] clause 5.2.3.1.

Selection: Associated signalling at the destination side supported. PICS: MCu 2.1.

L3BU_09_01
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; any VCI), when a VCI is available in the VPC carrying the signalling VC,
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; exclusive VCI, virtual channel identifier indicating a specific VCI) and enters the relevant call state U9, U7 or U8.

L3BU_09_02
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; exclusive VCI, virtual channel identifier indicating a specific VCI), when the requested VCI is available in the VPC carrying the signalling VC,
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; exclusive VCI, virtual channel identifier indicating a specific VCI) and enters the relevant call state U9, U7 or U8.

L3BU_09_03
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; any VCI), when no VCI is available in the VPC carrying the signalling VC,
- sends a RELEASE COMPLETE message (Cause value = 45) and remains in U0.

L3BU_09_04
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = VP-associated signalling, preferred exclusive = exclusive VPCI; exclusive VCI, virtual channel identifier indicating a specific VCI), when the requested VCI is not available in the VPC carrying the signalling VC,
- sends a RELEASE COMPLETE message (Cause value = 35) and remains in U0.
5.2.1.2.2.2 Non-associated signalling (10)

Test purposes for EN 300 443-1 [1] clause 5.2.3.2.

**L3BU_10_01**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; any VCI, virtual path connection identifier indicating a specific VPCI), when a VCI is available within the requested VPCI,

- sends any of a CALL PROCEEDING, ALERTING or CONNECT message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating the requested VPCI, virtual channel identifier indicating a specific VCI) and enters the relevant call state U9, U7 or U8.

**L3BU_10_02**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI), when the requested VCI is available within the requested VPCI,

- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

**L3BU_10_03**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier absent), when a VCI is available within any VPCI,

- sends any of a CALL PROCEEDING, ALERTING or CONNECT message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI) and enters the relevant call state U9, U7 or U8.

**L3BU_10_04**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; any VCI, virtual path connection identifier indicating a specific VPCI), when the requested VPCI is not available,

- sends a RELEASE COMPLETE message (Cause value = 35) and remains in U0.

**L3BU_10_05**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI), when the requested VPCI is not available,

- sends a RELEASE COMPLETE message (Cause value = 35) and remains in U0.

**L3BU_10_06**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; any VCI, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI), when no VCI is available within the requested VPCI,

- sends a RELEASE COMPLETE message (Cause value = 45) and remains in U0.

**L3BU_10_07**
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP-associated signalling = explicit indication of VPCI, preferred exclusive = exclusive VPCI; exclusive VCI, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI), when the requested VCI is not available within the requested VPCI,

- sends a RELEASE COMPLETE message (Cause value = 35) and remains in U0.
L3BU_10_08
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier absent), when no VCI is available within any VPCI,
- sends a RELEASE COMPLETE message (Cause value = 45) and remains in U0.

L3BU_10_09
Ensure that the IUT in U0, on receipt of a SETUP message (Connection identifier present, VP associated signalling = VP associated signalling),
- sends a RELEASE COMPLETE message (Cause value = 36) and remains in U0.

Selection: Associated signalling on the destination side NOT supported. PICS: NOT MCu 2.1.

5.2.1.2.3 QOS and traffic parameter selection procedures (11)
Test purposes for EN 300 443-1 [1] clause 5.2.4.

L3BU_11_01
Ensure that the IUT in U0, on receipt of a SETUP message (Valid combination of traffic parameters, Quality of service parameter present, requesting a QOS class that is not supported),
- sends a RELEASE COMPLETE message (Cause value = 49) and remains in U0.

L3BU_11_02
Ensure that the IUT in U0, on receipt of a SETUP message (Invalid combination of traffic parameters and QOS class),
- sends a RELEASE COMPLETE message (Cause value = 73) and remains in U0.

L3BU_11_03
Ensure that the IUT in U0, on receipt of a SETUP message (End-to-end transit delay present, requesting a QOS class/maximum end-to-end transit delay combination that can not be supported),
- sends a RELEASE COMPLETE message (Cause value = 49) and remains in U0.

L3BU_11_04
Ensure that the IUT in U0, on receipt of a SETUP message (End-to-end transit delay present, invalid combination of transit delay, traffic parameters and QOS class),
- sends a RELEASE COMPLETE message (Cause value = 73) and remains in U0.

L3BU_11_05
Ensure that the IUT in U0, on receipt of a SETUP message (ATM traffic descriptor present, requesting a peak cell rate that can not be provided),
- sends a RELEASE COMPLETE message (Cause value = 47) and remains in U0.

5.2.1.2.4 Call/connection confirmation (12)
Test purposes for EN 300 443-1 [1] clause 5.2.5.

L3BU_12_01
Ensure that the IUT in U0, on receipt of a compatible SETUP message, to accept the call,
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_12_02
Ensure that the IUT in U0, on receipt of a compatible SETUP message, to refuse the call,
- sends a RELEASE COMPLETE message (Cause value = 21) and remains in U0.

L3BU_12_03
Ensure that the IUT in U0, on receipt of a SETUP message (user compatible but busy),
- sends a RELEASE COMPLETE message (Cause value = 17) and remains in U0.
5.2.1.2.5 Active indication (13)

Test purposes for EN 300 443-1 [1] clause 5.2.7.

L3BU_13_01
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message,
- sends no message and enters U10.

L3BU_13_02
Ensure that the IUT in U8, on the expiry of T313,
- sends a RELEASE message (Cause value = 102) and enters U11.

5.2.1.3 Call/connection clearing

Test purposes for EN 300 443-1 [1] clause 5.4.

5.2.1.3.1 Exception conditions (14)

Test purposes for EN 300 443-1 [1] clause 5.4.2.

L3BU_14_01
Ensure that the IUT in U1, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

5.2.1.3.2 Clearing initiated by the user (15)

Test purposes for EN 300 443-1 [1] clause 5.4.3.

L3BU_15_01
Ensure that the IUT in U3, to initiate call clearing,
- sends a RELEASE message and enters U11.

L3BU_15_02
Ensure that the IUT in U4, to initiate call clearing,
- sends a RELEASE message and enters U11.

L3BU_15_03
Ensure that the IUT in U7, to initiate call clearing,
- sends a RELEASE message and enters U11.

Selection: IUT stable in U7.

L3BU_15_04
Ensure that the IUT in U8, to initiate call clearing,
- sends a RELEASE message and enters U11.

L3BU_15_05
Ensure that the IUT in U9, to initiate call clearing,
- sends a RELEASE message and enters U11.


L3BU_15_06
Ensure that the IUT in U10 (incoming call), to initiate call clearing,
- sends a RELEASE message and enters U11.
L3BU_15_07
Ensure that the IUT in U10 (outgoing call), to initiate call clearing,
- sends a RELEASE message and enters U11.

L3BU_15_08
Ensure that the IUT in U11 (incoming call), on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_15_09
Ensure that the IUT in U11 (outgoing call), on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_15_10
Ensure that the IUT in U11 (incoming call), on the expiry of T308,
- sends a RELEASE message and remains in U11.

L3BU_15_11
Ensure that the IUT in U11 (outgoing call), on the expiry of T308,
- sends a RELEASE message and remains in U11.

5.2.1.3.3 Clearing initiated by the network (16)
Test purposes for EN 300 443-1 [1] clause 5.4.4.

L3BU_16_01
Ensure that the IUT in U1, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

L3BU_16_02
Ensure that the IUT in U3, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

L3BU_16_03
Ensure that the IUT in U4, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

L3BU_16_04
Ensure that the IUT in U7, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

Selection: IUT stable in U7.

L3BU_16_05
Ensure that the IUT in U8, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

L3BU_16_06
Ensure that the IUT in U9, on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.


L3BU_16_07
Ensure that the IUT in U10 (incoming call), on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.
L3BU_16_08
Ensure that the IUT in U10 (outgoing call), on receipt of a RELEASE message,
- sends a RELEASE COMPLETE message and enters U0.

5.2.1.3.4  Clear collision (17)
Test purposes for EN 300 443-1 [1] clause 5.4.5.

L3BU_17_01
Ensure that the IUT in U11 (incoming call), on receipt of a RELEASE message,
- sends no message and enters U0.

5.2.1.4  Restart procedure
Test purposes for EN 300 443-1 [1] clause 5.5.

5.2.1.4.1  Sending RESTART (18)
Test purposes for EN 300 443-1 [1] clause 5.5.1.

L3BU_18_01
Ensure that the IUT in Rest 0, to return virtual channels to the idle condition,
- sends a RESTART message and enters Rest 1.

L3BU_18_02
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message,
- sends no message and enters Rest 0.

L3BU_18_03
Ensure that the IUT in Rest 1, on the first expiry of T316,
- sends a RESTART message and remains in Rest 1.

L3BU_18_04
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Connection identifier different to the one sent by the IUT in the RESTART message),
- sends no message and remains in Rest 1.

5.2.1.4.2  Receipt of RESTART (19)
Test purposes for EN 300 443-1 [1] clause 5.5.2.

L3BU_19_01
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating a specific VPCI, virtual channel identifier indicating a specific VCI),
- sends a RESTART ACKNOWLEDGE message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating the requested VPCI, virtual channel identifier indicating the requested VCI) and re-enters Rest 0.
L3BU_19_02
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating a specific VPCI),
- sends a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating the requested VPCI) and re-enters Rest 0.

L3BU_19_03
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent),
- sends a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent) and re-enters Rest 0.

L3BU_19_04
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating a specific VPCI, virtual channel identifier = the signalling virtual channel),
- sends no message or optionally sends a STATUS message (Call reference value = global call reference, cause value = 82, call state value = Rest 0) and remains in Rest 0.

L3BU_19_05
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = IE instruction field not significant),
- optionally sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent) and re-enters Rest 0.

L3BU_19_06
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and remains in Rest 0.

L3BU_19_07
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 0) and remains in Rest 0.

L3BU_19_08
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 0.
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed, and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent) and re-enters Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent) and re-enters Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message (Restart indicator class = all virtual channels controlled by the layer 3 entity which sends the RESTART message, Connection identifier absent) and re-enters Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier absent),
- sends a STATUS message (Call reference value = global call reference, cause value = 96, call state value = Rest 0) and remains in Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and remains in Rest 0.
L3BU_19_16
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and remains in Rest 0.

L3BU_19_17
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

L3BU_19_18
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

L3BU_19_19
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = indicated virtual channel, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 0.

L3BU_19_20
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator class = all virtual channels in the indicated VPC which are controlled via the signalling virtual channel on which the RESTART message is sent, Connection identifier present, virtual path connection identifier indicating an unrecognized VPCI, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 0.

5.2.1.5 Handling of error conditions
Test purposes for EN 300 443-1 [1] clauses 5.6, 5.7.

5.2.1.5.1 Error handling in U0 (20)

L3BU_20_01
Ensure that the IUT in U0, on receipt of a SETUP message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U0.

L3BU_20_02
Ensure that the IUT in U0, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U0.

L3BU_20_03
Ensure that the IUT in U0, on receipt of a SETUP message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U0.
L3BU_20_04
Ensure that the IUT in U0, on receipt of a SETUP message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),

- sends no message and remains in U0.

L3BU_20_05
Ensure that the IUT in U0, on receipt of an ALERTING message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_06
Ensure that the IUT in U0, on receipt of a CALL PROCEEDING message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_07
Ensure that the IUT in U0, on receipt of a CONNECT message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_08
Ensure that the IUT in U0, on receipt of a CONNECT ACKNOWLEDGE message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_09
Ensure that the IUT in U0, on receipt of a NOTIFY message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_10
Ensure that the IUT in U0, on receipt of a RELEASE message,

- sends a RELEASE COMPLETE message (Cause value = 81) and remains in U0.

L3BU_20_11
Ensure that the IUT in U0, on receipt of a RELEASE COMPLETE message,

- sends no message and remains in U0.

L3BU_20_12
Ensure that the IUT in U0, on receipt of a SETUP message (Call reference flag = 1),

- sends no message and remains in U0.

L3BU_20_13
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 1),

- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_14
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 3),

- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_15
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 4),

- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_16
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 6),

- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.
L3BU_20_17
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 7),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_18
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 8),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_19
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 9),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_20
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 10),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_21
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 11),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_22
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 12),
- sends a RELEASE COMPLETE message (Cause value = 101) and remains in U0.

L3BU_20_23
Ensure that the IUT in U0, on receipt of a STATUS message (Call state value = 0),
- sends no message and remains in U0.

L3BU_20_24
Ensure that the IUT in U0, on receipt of a STATUS message (Call reference value = global call reference, call state value = Rest 1),
- sends no message and remains in U0.

L3BU_20_25
Ensure that the IUT in U0, on receipt of a STATUS message (Call reference value = global call reference, call state value = Rest 2),
- sends no message and remains in U0.

L3BU_20_26
Ensure that the IUT in U0, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 0) and remains in U0.

L3BU_20_27
Ensure that the IUT in U0, on receipt of a SETUP message (Mandatory information element missing),
- sends a RELEASE COMPLETE message (Cause value = 96) and remains in U0.

L3BU_20_28
Ensure that the IUT in U0, on receipt of a SETUP message (Mandatory information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and remains in U0.
L3BU_20_29
Ensure that the IUT in U0, on receipt of a SETUP message (Mandatory information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE COMPLETE message (Cause value = 100) and remains in U0.

L3BU_20_30
Ensure that the IUT in U0, on receipt of a SETUP message (Mandatory information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 0) and remains in U0.

L3BU_20_31
Ensure that the IUT in U0, on receipt of a SETUP message (Mandatory information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U0.

L3BU_20_32
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- optionally sends a STATUS message (Cause value = 99, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_33
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE COMPLETE message (Cause value = 99) and remains in U0.

L3BU_20_34
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 0) and remains in U0.

L3BU_20_35
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U0.

L3BU_20_36
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_37
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_38
Ensure that the IUT in U0, on receipt of a SETUP message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.
L3BU_20_39
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- optionally sends a STATUS message (Cause value = 100, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_40
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE COMPLETE message (Cause value = 100) and remains in U0.

L3BU_20_41
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard call and report status),
- sends a STATUS message (Cause value = 100, call state value = 0) and remains in U0.

L3BU_20_42
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U0.

L3BU_20_43
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 100, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_44
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_20_45
Ensure that the IUT in U0, on receipt of a SETUP message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 100, call state value = 6) followed by any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

5.2.1.5.2 Error handling in U1 (21)

L3BU_21_01
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U1.

L3BU_21_02
Ensure that the IUT in U1, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U1.

L3BU_21_03
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U1.
L3BU_21_04
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U1.

L3BU_21_05
Ensure that the IUT in U1, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 1) and remains in U1.

L3BU_21_06
Ensure that the IUT in U1, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

L3BU_21_07
Ensure that the IUT in U1, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 1) and remains in U1.

L3BU_21_08
Ensure that the IUT in U1, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U1.

L3BU_21_09
Ensure that the IUT in U1, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 1) and remains in U1.

L3BU_21_10
Ensure that the IUT in U1, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 1) and remains in U1.

L3BU_21_11
Ensure that the IUT in U1, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_21_12
Ensure that the IUT in U1, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 1) and remains in U1.

L3BU_21_13
Ensure that the IUT in U1, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U1.

L3BU_21_14
Ensure that the IUT in U1, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 1) and remains in U1.
L3BU_21_15
Ensure that the IUT in U1, on receipt of a RELEASE COMPLETE message,
  - sends no message and enters U0.

L3BU_21_16
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Connection identifier information element missing),
  - sends a STATUS message (Cause value = 96, call state value = 1) and remains in U1.

L3BU_21_17
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Connection identifier information element with content error present, IE instruction field flag = IE instruction field not significant),
  - sends a STATUS message (Cause value = 100, call state value = 1) and remains in U0.

L3BU_21_18
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Connection identifier information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
  - sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_21_19
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Connection identifier information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
  - sends a STATUS message (Cause value = 100, call state value = 1) and remains in U1.

L3BU_21_20
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Connection identifier information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
  - sends no message and remains in U1.

L3BU_21_21
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
  - sends no message or optionally sends a STATUS message (Cause value = 99, call state value = 3) and enters U3.

L3BU_21_22
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
  - sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_21_23
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
  - sends a STATUS message (Cause value = 99, call state value = 1) and remains in U1.

L3BU_21_24
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
  - sends no message and remains in U1.

L3BU_21_25
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
  - sends a STATUS message (Cause value = 99, call state value = 3) and enters U3.
L3BU_21_26
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U3.

L3BU_21_27
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 3) and enters U3.

L3BU_21_28
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 100, call state value = 3) and enters U3.

L3BU_21_29
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_21_30
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 1) and remains in U1.

L3BU_21_31
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U1.

L3BU_21_32
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 100, call state value = 3) and enters U3.

L3BU_21_33
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U3.

L3BU_21_34
Ensure that the IUT in U1, on receipt of a CALL PROCEEDING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 100, call state value = 3) and enters U3.

L3BU_21_35
Ensure that the IUT in U1, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message or optionally sends a STATUS ENQUIRY message and remains in U1.
L3BU_21_36
Ensure that the IUT in U1, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 1) and remains in U1.

L3BU_21_37
Ensure that the IUT in U1, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.3 Error handling in U3 (22)
L3BU_22_01
Ensure that the IUT in U3, on receipt of an ALERTING message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U3.
L3BU_22_02
Ensure that the IUT in U3, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U3.
L3BU_22_03
Ensure that the IUT in U3, on receipt of an ALERTING message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U3.
L3BU_22_04
Ensure that the IUT in U3, on receipt of an ALERTING message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U3.
L3BU_22_05
Ensure that the IUT in U3, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 3) and remains in U3.
L3BU_22_06
Ensure that the IUT in U3, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.
L3BU_22_07
Ensure that the IUT in U3, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 3) and remains in U3.
L3BU_22_08
Ensure that the IUT in U3, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U3.
L3BU_22_09
Ensure that the IUT in U3, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 3) and remains in U3.
L3BU_22_10
Ensure that the IUT in U3, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 3) and remains in U3.

L3BU_22_11
Ensure that the IUT in U3, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_22_12
Ensure that the IUT in U3, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 3) and remains in U3.

L3BU_22_13
Ensure that the IUT in U3, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U3.

L3BU_22_14
Ensure that the IUT in U3, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 3) and remains in U3.

L3BU_22_15
Ensure that the IUT in U3, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_22_16
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 99, call state value = 7) and enters U4.

L3BU_22_17
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_22_18
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 3) and remains in U3.

L3BU_22_19
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U3.

L3BU_22_20
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 4) and enters U4.
L3BU_22_21
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U4.

L3BU_22_22
Ensure that the IUT in U3, on receipt of an ALERTING message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 4) and enters U4.

L3BU_22_23
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 100, call state value = 4) and enters U4.

L3BU_22_24
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_22_25
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 3) and remains in U3.

L3BU_22_26
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U3.

L3BU_22_27
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 100, call state value = 4) and enters U4.

L3BU_22_28
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U4.

L3BU_22_29
Ensure that the IUT in U3, on receipt of an ALERTING message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 100, call state value = 4) and enters U4.

L3BU_22_30
Ensure that the IUT in U3, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message or optionally sends a STATUS ENQUIRY message and remains in U3.

L3BU_22_31
Ensure that the IUT in U3, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 3) and remains in U3.
L3BU_22_32
Ensure that the IUT in U3, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.4 Error handling in U4 (23)

L3BU_23_01
Ensure that the IUT in U4, on receipt of a CONNECT message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U4.

L3BU_23_02
Ensure that the IUT in U4, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U4.

L3BU_23_03
Ensure that the IUT in U4, on receipt of a CONNECT message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U4.

L3BU_23_04
Ensure that the IUT in U4, on receipt of a CONNECT message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U4.

L3BU_23_05
Ensure that the IUT in U4, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 4) and remains in U4.

L3BU_23_06
Ensure that the IUT in U4, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

L3BU_23_07
Ensure that the IUT in U4, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 4) and remains in U4.

L3BU_23_08
Ensure that the IUT in U4, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U4.

L3BU_23_09
Ensure that the IUT in U4, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 4) and remains in U4.

L3BU_23_10
Ensure that the IUT in U4, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 4) and remains in U4.
L3BU_23_11
Ensure that the IUT in U4, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_23_12
Ensure that the IUT in U4, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 4) and remains in U4.

L3BU_23_13
Ensure that the IUT in U4, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U4.

L3BU_23_14
Ensure that the IUT in U4, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 4) and remains in U4.

L3BU_23_15
Ensure that the IUT in U4, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_23_16
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- optionally sends a STATUS message (Cause value = 99, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_17
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_23_18
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 4) and remains in U4.

L3BU_23_19
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U4.

L3BU_23_20
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.
L3BU_23_21
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_22
Ensure that the IUT in U4, on receipt of a CONNECT message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_23
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- optionally sends a STATUS message (Cause value = 100, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_24
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_23_25
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 4) and remains in U4.

L3BU_23_26
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U4.

L3BU_23_27
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 100, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_28
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_29
Ensure that the IUT in U4, on receipt of a CONNECT message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 100, call state value = 10) followed by a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_23_30
Ensure that the IUT in U4, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message or optionally sends a STATUS ENQUIRY message and remains in U4.
**L3BU_23_31**
Ensure that the IUT in U4, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 4) and remains in U4.

**L3BU_23_32**
Ensure that the IUT in U4, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

**5.2.1.5.5 Error handling in U7 (24)**

**Selection:** IUT stable in U7.

**L3BU_24_01**
Ensure that the IUT in U7, on receipt of a RELEASE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U7.

**L3BU_24_02**
Ensure that the IUT in U7, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U7.

**L3BU_24_03**
Ensure that the IUT in U7, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U7.

**L3BU_24_04**
Ensure that the IUT in U7, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U7.

**L3BU_24_05**
Ensure that the IUT in U7, on receipt of a SETUP message (Call reference value already in use),
- sends no message and remains in U7.

**L3BU_24_06**
Ensure that the IUT in U7, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 7) and remains in U7.

**L3BU_24_07**
Ensure that the IUT in U7, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

**L3BU_24_08**
Ensure that the IUT in U7, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 7) and remains in U7.

**L3BU_24_09**
Ensure that the IUT in U7, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U7.
L3BU_24_10
Ensure that the IUT in U7, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
  - sends a STATUS message (Cause value = 101, call state value = 7) and remains in U7.

L3BU_24_11
Ensure that the IUT in U7, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
  - sends a STATUS message (Cause value = 97, call state value = 7) and remains in U7.

L3BU_24_12
Ensure that the IUT in U7, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
  - sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_24_13
Ensure that the IUT in U7, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
  - sends a STATUS message (Cause value = 97, call state value = 7) and remains in U7.

L3BU_24_14
Ensure that the IUT in U7, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
  - sends no message and remains in U7.

L3BU_24_15
Ensure that the IUT in U7, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
  - sends a STATUS message (Cause value = 97, call state value = 7) and remains in U7.

L3BU_24_16
Ensure that the IUT in U7, on receipt of a RELEASE COMPLETE message,
  - sends no message and enters U0.

L3BU_24_17
Ensure that the IUT in U7, on receipt of a RELEASE message (Cause information element absent),
  - sends a RELEASE COMPLETE message (Cause value = 96) and enters U0.

L3BU_24_18
Ensure that the IUT in U7, on receipt of a RELEASE message (Cause information element with content error present),
  - sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_24_19
Ensure that the IUT in U7, on receipt of a RELEASE message (Unrecognized information element present),
  - sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_24_20
Ensure that the IUT in U7, on receipt of a RELEASE message (Optional information element with content error present),
  - sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_24_21
Ensure that the IUT in U7, on receipt of an AAL-ESTABLISH-indication primitive,
  - sends no message or optionally sends a STATUS ENQUIRY message and remains in U7.
L3BU_24_22
Ensure that the IUT in U7, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 7) and remains in U7.

L3BU_24_23
Ensure that the IUT in U7, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.6 Error handling in U8 (25)

L3BU_25_01
Ensure that the IUT in U8, on receipt of a RELEASE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U8.

L3BU_25_02
Ensure that the IUT in U8, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U8.

L3BU_25_03
Ensure that the IUT in U8, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U8.

L3BU_25_04
Ensure that the IUT in U8, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U8.

L3BU_25_05
Ensure that the IUT in U8, on receipt of a SETUP message (Call reference value already in use),
- sends no message and remains in U8.

L3BU_25_06
Ensure that the IUT in U8, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 8) and remains in U8.

L3BU_25_07
Ensure that the IUT in U8, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

L3BU_25_08
Ensure that the IUT in U8, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 8) and remains in U8.

L3BU_25_09
Ensure that the IUT in U8, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U8.
L3BU_25_10
Ensure that the IUT in U8, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 8) and remains in U8.

L3BU_25_11
Ensure that the IUT in U8, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 8) and remains in U8.

L3BU_25_12
Ensure that the IUT in U8, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_25_13
Ensure that the IUT in U8, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 8) and remains in U8.

L3BU_25_14
Ensure that the IUT in U8, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U8.

L3BU_25_15
Ensure that the IUT in U8, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 8) and remains in U8.

L3BU_25_16
Ensure that the IUT in U8, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_25_17
Ensure that the IUT in U8, on receipt of a RELEASE message (Cause information element missing),
- sends a RELEASE COMPLETE message (Cause value = 96) and enters U0.

L3BU_25_18
Ensure that the IUT in U8, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_25_19
Ensure that the IUT in U8, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_25_20
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 99, call state value = 10) and enters U10.
L3BU_25_21
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_25_22
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 8) and remains in U8.

L3BU_25_23
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U8.

L3BU_25_24
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) and enters U10.

L3BU_25_25
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U10.

L3BU_25_26
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 10) and enters U10.

L3BU_25_27
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 100, call state value = 10) and enters U10.

L3BU_25_28
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_25_29
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 8) and remains in U8.

L3BU_25_30
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U8.
L3BU_25_31
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 100, call state value = 10) and enters U10.

L3BU_25_32
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters U10.

L3BU_25_33
Ensure that the IUT in U8, on receipt of a CONNECT ACKNOWLEDGE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 100, call state value = 10) and enters U10.

L3BU_25_34
Ensure that the IUT in U8, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message or sends a STATUS ENQUIRY message and remains in U8.

L3BU_25_35
Ensure that the IUT in U8, after having sent an AAL-ESTABLISH-request primitive in response to an AAL-RELEASE-indication primitive, on receipt of an AAL-ESTABLISH-confirm primitive,
- sends a STATUS ENQUIRY message and remains in U8.

L3BU_25_36
Ensure that the IUT in U8, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 8) and remains in U8.

L3BU_25_37
Ensure that the IUT in U8, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.7  Error handling in U9 (26)


L3BU_26_01
Ensure that the IUT in U9, on receipt of a RELEASE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U9.

L3BU_26_02
Ensure that the IUT in U9, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U9.

L3BU_26_03
Ensure that the IUT in U9, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U9.
L3BU_26_04
Ensure that the IUT in U9, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U9.

L3BU_26_05
Ensure that the IUT in U9, on receipt of a SETUP message (Call reference value already in use),
- sends no message and remains in U9.

L3BU_26_06
Ensure that the IUT in U9, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 9) and remains in U9.

L3BU_26_07
Ensure that the IUT in U9, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

L3BU_26_08
Ensure that the IUT in U9, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 9) and remains in U9.

L3BU_26_09
Ensure that the IUT in U9, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U9.

L3BU_26_10
Ensure that the IUT in U9, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 9) and remains in U9.

L3BU_26_11
Ensure that the IUT in U9, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 9) and remains in U9.

L3BU_26_12
Ensure that the IUT in U9, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_26_13
Ensure that the IUT in U9, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 9) and remains in U9.

L3BU_26_14
Ensure that the IUT in U9, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U9.
L3BU_26_15  
Ensure that the IUT in U9, on receipt of an unrecognized message (Message type flag = follow explicit instructions, 
Message action indicator = reserved value),  
- sends a STATUS message (Cause value = 97, call state value = 9) and remains in U9.

L3BU_26_16  
Ensure that the IUT in U9, on receipt of a RELEASE COMPLETE message,  
- sends no message and enters U0.

L3BU_26_17  
Ensure that the IUT in U9, on receipt of a RELEASE message (Cause information element absent),  
- sends a RELEASE COMPLETE message (Cause value = 96) and enters U0.

L3BU_26_18  
Ensure that the IUT in U9, on receipt of a RELEASE message (Cause information element with content error present),  
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_26_19  
Ensure that the IUT in U9, on receipt of a RELEASE message (Unrecognized information element present),  
- sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_26_20  
Ensure that the IUT in U9, on receipt of a RELEASE message (Optional information element with content error present),  
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_26_21  
Ensure that the IUT in U9, on receipt of an AAL-ESTABLISH-indication primitive,  
- sends no message or optionally sends a STATUS ENQUIRY message and remains in U9.

L3BU_26_22  
Ensure that the IUT in U9, on receipt of a STATUS ENQUIRY message,  
- sends a STATUS message (Cause value = 30, call state value = 9) and remains in U9.

L3BU_26_23  
Ensure that the IUT in U9, on receipt of a STATUS message (Call state value = 0),  
- sends no message and enters U0.

5.2.1.5.8  Error handling in U10 - incoming call (27)

L3BU_27_01  
Ensure that the IUT in U10, on receipt of a RELEASE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),  
- sends no message and remains in U10.

L3BU_27_02  
Ensure that the IUT in U10, on receipt of a message which is too short (Message length information element incomplete),  
- sends no message and remains in U10.

L3BU_27_03  
Ensure that the IUT in U10, on receipt of a RELEASE message (Call reference with invalid format, octet 1, 
bits 8 - 5 ≠ '0000'B),  
- sends no message and remains in U10.
L3BU_27_04
Ensure that the IUT in U10, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
   - sends no message and remains in U10.

L3BU_27_05
Ensure that the IUT in U10, on receipt of a SETUP message (Call reference value already in use),
   - sends no message and remains in U10.

L3BU_27_06
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = message instruction field not significant),
   - sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

L3BU_27_07
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
   - sends a RELEASE message (Cause value = 101) and enters U11.

L3BU_27_08
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
   - sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

L3BU_27_09
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
   - sends no message and remains in U10.

L3BU_27_10
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
   - sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

L3BU_27_11
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
   - sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_27_12
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
   - sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_27_13
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
   - sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_27_14
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
   - sends no message and remains in U10.
L3BU_27_15
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_27_16
Ensure that the IUT in U10, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_27_17
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element missing),
- sends a STATUS message (Cause value = 96, call state value = 10) and remains in U10.

L3BU_27_18
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element missing),
- sends a RELEASE COMPLETE message (Cause value = 96) and enters U0.

L3BU_27_19
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Cause value = 100, call state value = 10) and remains in U10.

L3BU_27_20
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_27_21
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_27_22
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_27_23
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 10) and remains in U10.

L3BU_27_24
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U10.

L3BU_27_25
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.
L3BU_27_26
Ensure that the IUT in U10, on receipt of a RELEASE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_27_27
Ensure that the IUT in U10, on receipt of a RELEASE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_27_28
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_27_29
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_27_30
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U10.

L3BU_27_31
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_27_32
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and remains in U10.

L3BU_27_33
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_27_34
Ensure that the IUT in U10, on receipt of a RELEASE message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_27_35
Ensure that the IUT in U10, on receipt of a RELEASE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_27_36
Ensure that the IUT in U10, on receipt of an AAL-ESTABLISH-indication primitive,
- sends a STATUS ENQUIRY message and remains in U10.
**L3BU_27_37**
Ensure that the IUT in U10, after having sent an AAL-ESTABLISH-request primitive in response to an AAL-RELEASE-indication primitive, on receipt of an AAL-ESTABLISH-confirm primitive,
- sends a STATUS ENQUIRY message and remains in U10.

**L3BU_27_38**
Ensure that the IUT in U10, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 10) and remains in U10.

**L3BU_27_39**
Ensure that the IUT in U10, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

**5.2.1.5.9 Error handling in U10 - outgoing call (28)**

**L3BU_28_01**
Ensure that the IUT in U10, on receipt of a RELEASE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U10.

**L3BU_28_02**
Ensure that the IUT in U10, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U10.

**L3BU_28_03**
Ensure that the IUT in U10, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 8 - 5 \(\neq\) '0000'B),
- sends no message and remains in U10.

**L3BU_28_04**
Ensure that the IUT in U10, on receipt of a RELEASE message (Call reference with invalid format, octet 1, bits 4 - 1 \(\neq\) '0011'B),
- sends no message and remains in U10.

**L3BU_28_05**
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

**L3BU_28_06**
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 101) and enters U11.

**L3BU_28_07**
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

**L3BU_28_08**
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U10.
L3BU_28_09
Ensure that the IUT in U10, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 10) and remains in U10.

L3BU_28_10
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_28_11
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends a RELEASE message (Cause value = 97) and enters U11.

L3BU_28_12
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_28_13
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U10.

L3BU_28_14
Ensure that the IUT in U10, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 10) and remains in U10.

L3BU_28_15
Ensure that the IUT in U10, on receipt of a RELEASE COMPLETE message,
- sends no message and enters U0.

L3BU_28_16
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element missing),
- sends a STATUS message (Cause value = 96, call state value = 10) and remains in U10.

L3BU_28_17
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element missing),
- sends a RELEASE COMPLETE message (Cause value = 96) and enters U0.

L3BU_28_18
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Cause value = 100, call state value = 10) and remains in U10.

L3BU_28_19
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.
L3BU_28_20
Ensure that the IUT in U10, on receipt of a RELEASE message (Cause information element with content error present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_28_21
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_28_22
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 100, call state value = 10) and remains in U10.

L3BU_28_23
Ensure that the IUT in U10, on receipt of a NOTIFY message (Notification indicator information element with content error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U10.

L3BU_28_24
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_28_25
Ensure that the IUT in U10, on receipt of a RELEASE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_28_26
Ensure that the IUT in U10, on receipt of a RELEASE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 99) and enters U0.

L3BU_28_27
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends a RELEASE message (Cause value = 99) and enters U11.

L3BU_28_28
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_28_29
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in U10.
L3BU_28_30
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed and report status),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_28_31
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and remains in U10.

L3BU_28_32
Ensure that the IUT in U10, on receipt of a NOTIFY message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Cause value = 99, call state value = 10) and remains in U10.

L3BU_28_33
Ensure that the IUT in U10, on receipt of a RELEASE message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_28_34
Ensure that the IUT in U10, on receipt of a RELEASE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions),
- sends a RELEASE COMPLETE message (Cause value = 100) and enters U0.

L3BU_28_35
Ensure that the IUT in U10, on receipt of an AAL-ESTABLISH-indication primitive,
- sends a STATUS ENQUIRY message and remains in U10.

L3BU_28_36
Ensure that the IUT in U10, after having sent an AAL-ESTABLISH-request primitive in response to an AAL-RELEASE-indication primitive, on receipt of an AAL-ESTABLISH-confirm primitive,
- sends a STATUS ENQUIRY message and remains in U10.

L3BU_28_37
Ensure that the IUT in U10, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 10) and remains in U10.

L3BU_28_38
Ensure that the IUT in U10, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.10 Error handling in U11 - incoming call (29)

L3BU_29_01
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U11.

L3BU_29_02
Ensure that the IUT in U11, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U11.
L3BU_29_03
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U11.

L3BU_29_04
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U11.

L3BU_29_05
Ensure that the IUT in U11, on receipt of a SETUP message (Call reference value already in use),
- sends no message and remains in U11.

L3BU_29_06
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.

L3BU_29_07
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends no message and remains in U11.

L3BU_29_08
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.

L3BU_29_09
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U11.

L3BU_29_10
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.

L3BU_29_11
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.

L3BU_29_12
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends no message and remains in U11.

L3BU_29_13
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.
L3BU_29_14
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U11.

L3BU_29_15
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.

L3BU_29_16
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message and enters U0.

L3BU_29_17
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions),
- sends no message and enters U0.

L3BU_29_18
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends no message and enters U0.

L3BU_29_19
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions),
- sends no message and enters U0.

L3BU_29_20
Ensure that the IUT in U11, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message and remains in U11.

L3BU_29_21
Ensure that the IUT in U11, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 11) and remains in U11.

L3BU_29_22
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 1),
- sends no message and remains in U11.

L3BU_29_23
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 3),
- sends no message and remains in U11.

L3BU_29_24
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 4),
- sends no message and remains in U11.

L3BU_29_25
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 6),
- sends no message and remains in U11.
L3BU_29_26
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 7),
- sends no message and remains in U11.

L3BU_29_27
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 8),
- sends no message and remains in U11.

L3BU_29_28
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 9),
- sends no message and remains in U11.

L3BU_29_29
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 10),
- sends no message and remains in U11.

L3BU_29_30
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 11),
- sends no message and remains in U11.

L3BU_29_31
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 12),
- sends no message and remains in U11.

L3BU_29_32
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.11 Error handling in U11 - outgoing call (30)

L3BU_30_01
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in U11.

L3BU_30_02
Ensure that the IUT in U11, on receipt of a message which is too short (Message length information element incomplete),
- sends no message and remains in U11.

L3BU_30_03
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in U11.

L3BU_30_04
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in U11.

L3BU_30_05
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.
L3BU_30_06
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends no message and remains in U11.

L3BU_30_07
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.

L3BU_30_08
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U11.

L3BU_30_09
Ensure that the IUT in U11, on receipt of an unexpected message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 101, call state value = 11) and remains in U11.

L3BU_30_10
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = message instruction field not significant),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.

L3BU_30_11
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = clear call),
- sends no message and remains in U11.

L3BU_30_12
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and report status),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.

L3BU_30_13
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = discard and ignore),
- sends no message and remains in U11.

L3BU_30_14
Ensure that the IUT in U11, on receipt of an unrecognized message (Message type flag = follow explicit instructions, Message action indicator = reserved value),
- sends a STATUS message (Cause value = 97, call state value = 11) and remains in U11.

L3BU_30_15
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message and enters U0.

L3BU_30_16
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions),
- sends no message and enters U0.
L3BU_30_17
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Optional information element with content error present, IE instruction field flag = IE instruction field not significant),
- sends no message and enters U0.

L3BU_30_18
Ensure that the IUT in U11, on receipt of a RELEASE COMPLETE message (Optional information element with content error present, IE instruction field flag = follow explicit instructions),
- sends no message and enters U0.

L3BU_30_19
Ensure that the IUT in U11, on receipt of an AAL-ESTABLISH-indication primitive,
- sends no message and remains in U11.

L3BU_30_20
Ensure that the IUT in U11, on receipt of a STATUS ENQUIRY message,
- sends a STATUS message (Cause value = 30, call state value = 11) and remains in U11.

L3BU_30_21
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 1),
- sends no message and remains in U11.

L3BU_30_22
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 3),
- sends no message and remains in U11.

L3BU_30_23
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 4),
- sends no message and remains in U11.

L3BU_30_24
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 6),
- sends no message and remains in U11.

L3BU_30_25
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 7),
- sends no message and remains in U11.

L3BU_30_26
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 8),
- sends no message and remains in U11.

L3BU_30_27
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 9),
- sends no message and remains in U11.

L3BU_30_28
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 10),
- sends no message and remains in U11.

L3BU_30_29
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 11),
- sends no message and remains in U11.
L3BU_30_30
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 12),
- sends no message and remains in U11.

L3BU_30_31
Ensure that the IUT in U11, on receipt of a STATUS message (Call state value = 0),
- sends no message and enters U0.

5.2.1.5.12 Error handling in R0 (31)

L3BU_31_01
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in Rest 0.

L3BU_31_02
Ensure that the IUT in Rest 0, on receipt of a message which is too short (Call reference value = global call reference, message length information element incomplete),
- sends no message and remains in Rest 0.

L3BU_31_03
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in Rest 0.

L3BU_31_04
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in Rest 0.

L3BU_31_05
Ensure that the IUT in Rest 0, on receipt of an ALERTING message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_06
Ensure that the IUT in Rest 0, on receipt of a CALL PROCEEDING message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_07
Ensure that the IUT in Rest 0, on receipt of a CONNECT message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_08
Ensure that the IUT in Rest 0, on receipt of a CONNECT ACKNOWLEDGE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.
L3BU_31_09
Ensure that the IUT in Rest 0, on receipt of a NOTIFY message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_10
Ensure that the IUT in Rest 0, on receipt of a RELEASE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_11
Ensure that the IUT in Rest 0, on receipt of a RELEASE COMPLETE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_12
Ensure that the IUT in Rest 0, on receipt of a SETUP message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_13
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Call reference flag = 1),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 0) and remains in Rest 0.

L3BU_31_14
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator information element absent),
- sends a STATUS message (Call reference value = global call reference, cause value = 96, call state value = Rest 0) and remains in Rest 0.

L3BU_31_15
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator information element with contents error present, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

L3BU_31_16
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and remains in Rest 0.

L3BU_31_17
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 0) and remains in Rest 0.

L3BU_31_18
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 0.
L3BU_31_19
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),

- optionally sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message and re-enters Rest 0.

L3BU_31_20
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),

- sends no message and remains in Rest 0.

L3BU_31_21
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),

- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 0) and remains in Rest 0.

L3BU_31_22
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),

- sends no message and remains in Rest 0.

L3BU_31_23
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed, and report status),

- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message and re-enters Rest 0.

L3BU_31_24
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),

- sends a RESTART ACKNOWLEDGE message and re-enters Rest 0.

L3BU_31_25
Ensure that the IUT in Rest 0, on receipt of a RESTART message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),

- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 2) followed by a RESTART ACKNOWLEDGE message and re-enters Rest 0.

L3BU_31_26
Ensure that the IUT in Rest 0, on receipt of a STATUS ENQUIRY message (Call reference value = global call reference),

- sends a STATUS message (Call reference value = global call reference, cause value = 30, call state value = Rest 0) and remains in Rest 0.

L3BU_31_27
Ensure that the IUT in Rest 0, on receipt of a STATUS message (Call state value = Rest 0),

- sends no message and remains in Rest 0.
5.2.1.5.13 Error handling in R1 (32)

**L3BU_32_01**
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Protocol discriminator coded other than ITU-T Recommendation Q.2931 user-network call control message),
- sends no message and remains in Rest 1.

**L3BU_32_02**
Ensure that the IUT in Rest 1, on receipt of a message which is too short (Call reference value = global call reference, message length information element incomplete),
- sends no message and remains in Rest 1.

**L3BU_32_03**
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Call reference with invalid format, octet 1, bits 8 - 5 ≠ '0000'B),
- sends no message and remains in Rest 1.

**L3BU_32_04**
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Call reference with invalid format, octet 1, bits 4 - 1 ≠ '0011'B),
- sends no message and remains in Rest 1.

**L3BU_32_05**
Ensure that the IUT in Rest 1, on receipt of an ALERTING message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

**L3BU_32_06**
Ensure that the IUT in Rest 1, on receipt of a CALL PROCEEDING message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

**L3BU_32_07**
Ensure that the IUT in Rest 1, on receipt of a CONNECT message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

**L3BU_32_08**
Ensure that the IUT in Rest 1, on receipt of a CONNECT ACKNOWLEDGE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

**L3BU_32_09**
Ensure that the IUT in Rest 1, on receipt of a NOTIFY message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

**L3BU_32_10**
Ensure that the IUT in Rest 1, on receipt of a RELEASE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.
L3BU_32_11
Ensure that the IUT in Rest 1, on receipt of a RELEASE COMPLETE message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

L3BU_32_12
Ensure that the IUT in Rest 1, on receipt of a SETUP message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 81, call state value = Rest 1) and remains in Rest 1.

L3BU_32_13
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Call reference flag = 0),
- sends a STATUS message (Call reference value = global call reference, cause value = 96, call state value = Rest 1) and remains in Rest 1.

L3BU_32_14
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Restart indicator information element absent),
- sends a STATUS message (Call reference value = global call reference, cause value = 96, call state value = Rest 1) and remains in Rest 1.

L3BU_32_15
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Restart indicator information element with contents error present, IE instruction field flag = IE instruction field not significant),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 1) and remains in Rest 1.

L3BU_32_16
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and enters Rest 0.

L3BU_32_17
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 100, call state value = Rest 1) and remains in Rest 1.

L3BU_32_18
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Restart indicator information element with contents error present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 1.

L3BU_32_19
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = IE instruction field not significant),
- sends no message or optionally sends a STATUS message (Call reference value = global call reference, cause value = 99) and remains in Rest 1.
Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = clear call),
- sends no message and enters Rest 0.

Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 1) and remains in Rest 1.

Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard message),
- sends no message and remains in Rest 1.

Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element, proceed, and report status),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 0) and enters Rest 0.

Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = discard information element and proceed),
- sends no message and enters Rest 0.

Ensure that the IUT in Rest 1, on receipt of a RESTART ACKNOWLEDGE message (Unrecognized information element present, IE instruction field flag = follow explicit instructions, IE action indicator = reserved value),
- sends a STATUS message (Call reference value = global call reference, cause value = 99, call state value = Rest 0) and enters Rest 0.

Ensure that the IUT in Rest 1, on receipt of a STATUS ENQUIRY message (Call reference value = global call reference),
- sends a STATUS message (Call reference value = global call reference, cause value = 30, call state value = Rest 1) and remains in Rest 1.

5.2.1.6 Notification procedures (33)
Test purposes for EN 300 443-1 [1] clause 5.9.

Ensure that the IUT in U10 (incoming call), to provide notifications,
- sends a NOTIFY message and remains in U10.

Ensure that the IUT in U10 (outgoing call), to provide notifications,
- sends a NOTIFY message and remains in U10.
L3BU_33_03
Ensure that the IUT in U3, on receipt of a NOTIFY message,
- sends no message and remains in U3.

L3BU_33_04
Ensure that the IUT in U4, on receipt of a NOTIFY message,
- sends no message and remains in U4.

L3BU_33_05
Ensure that the IUT in U7, on receipt of a NOTIFY message,
- sends no message and remains in U7.

L3BU_33_06
Ensure that the IUT in U8, on receipt of a NOTIFY message,
- sends no message and remains in U8.

L3BU_33_07
Ensure that the IUT in U9, on receipt of a NOTIFY message,
- sends no message and remains in U9.

L3BU_33_08
Ensure that the IUT in U10 (incoming call), on receipt of a NOTIFY message,
- sends no message and remains in U10.

L3BU_33_09
Ensure that the IUT in U10 (outgoing call), on receipt of a NOTIFY message,
- sends no message and remains in U10.

5.2.2 Signalling procedures for interworking between N-ISDN and B-ISDN


Selection: Additional procedures for the provision of 64 kbit/s circuit-mode services supported. PICS: MCu 9.

5.2.2.1 Interworking N-ISDN -> B-ISDN (34)

Test purposes for EN 300 443-1 [1] clause 6.3.

L3BU_34_01
Ensure that the IUT in U0, to initiate a call which originated in the N-ISDN,
- sends a SETUP message (Broadband bearer capability present, bearer class = BCOB-A, susceptibility to clipping = susceptible to clipping, Narrowband bearer capability present) and enters U1.

L3BU_34_02
Ensure that the IUT in U0, to initiate a call which originated in the N-ISDN and to provide narrowband high layer compatibility information,
- sends a SETUP message (Broadband bearer capability present, bearer class = BCOB-A, susceptibility to clipping = susceptible to clipping, Narrowband bearer capability present, Narrowband high layer compatibility present) and enters U1.
Ensure that the IUT in U0, to initiate a call which originated in the N-ISDN and to provide narrowband low layer compatibility information,
   - sends a SETUP message (Broadband bearer capability present, bearer class = BCOB-A, susceptibility to clipping = susceptible to clipping, Narrowband bearer capability present, Narrowband low layer compatibility present) and enters U1.

5.2.2.2 Interworking B-ISDN -> N-ISDN (35)
Test purposes for EN 300 443-1 [1] clauses 6.4 and 6.5.

L3BU_34_03
Ensure that the IUT in U0, to initiate a call which originated in the N-ISDN and to provide narrowband low layer compatibility information,
   - sends a SETUP message (Broadband bearer capability present, bearer class = BCOB-A, susceptibility to clipping = susceptible to clipping, Narrowband bearer capability present, Narrowband low layer compatibility present) and enters U1.

5.2.2.2 Interworking B-ISDN -> N-ISDN (35)
Test purposes for EN 300 443-1 [1] clauses 6.4 and 6.5.

L3BU_35_01
Ensure that the IUT in U0, on receipt of a SETUP message (Narrowband bearer capability present, Broadband sending complete and complete address information present),
   - sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_35_02
Ensure that the IUT in U0, on receipt of a SETUP message (Narrowband bearer capability absent, Broadband sending complete and complete address information present),
   - sends a RELEASE message (Cause value = 63) and enters U11.

L3BU_35_03
Ensure that the IUT in U0, on receipt of a SETUP message (Narrowband bearer capability present, Broadband sending complete absent, called party number absent),
   - sends a SETUP ACKNOWLEDGE message and enters U25.

L3BU_35_04
Ensure that the IUT in U25, on receipt of an INFORMATION message (Broadband sending complete absent, incomplete called number information present),
   - sends no message and remains in U25.

L3BU_35_05
Ensure that the IUT in U25, on receipt of an INFORMATION message (Broadband sending complete present, complete called number information present),
   - sends any of a CALL PROCEEDING, ALERTING or CONNECT message and enters the relevant call state U9, U7 or U8.

L3BU_35_06
Ensure that the IUT in U25, not having received the complete called number information, on the expiry of T302,
   - sends a RELEASE message (Cause value = 28) and enters U11.

L3BU_35_07
Ensure that the IUT in U25, on receipt of an INFORMATION message (Broadband sending complete present, invalid called number information present),
   - sends a RELEASE message (Cause value = 1, 3, 22 or 28) and enters U11.

5.2.3 Other procedures
Test purposes for EN 300 443-1 [1] annexes F, M and N.
5.2.3.1 ATM adaption layer parameters indication and negotiation (36)

Test purposes for EN 300 443-1 [1] annex F.

Selection: ATM adaption layer parameters indication and negotiation supported. PICS: MCu 12.

L3BU_36_01
Ensure that the IUT in U0, to initiate call establishment with the indication of AAL common and service specific parameters,
- sends a SETUP message (ATM adaption layer parameter present) and enters U1.

5.2.3.1.1 Maximum CPCS-SDU size negotiation (37)

Test purposes for EN 300 443-1 [1] annex F.3.

Selection: AAL connection types 3/4 or 5 supported. PICS: IERu 17.1.4 AND IETu 17.1.4 OR IERu 17.1.5 AND IETu 17.1.5

L3BU_37_01
Ensure that the IUT in U0, on receipt of a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size absent),
- sends a RELEASE COMPLETE message ((Cause value = 100) and remains in U0.

L3BU_37_02
Ensure that the IUT in U0, on receipt of a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size absent, backward maximum CPCS-SDU size present),
- sends a RELEASE COMPLETE message ((Cause value = 100) and remains in U0.

L3BU_37_03
Ensure that the IUT in U6, having received a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), to accept the call,
- sends a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present) and enters U8.

L3BU_37_04
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_37_05
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_37_06
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter absent),
- sends a CONNECT ACKNOWLEDGE message and enters U10.
L3BU_37_07
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter absent),

- sends a CONNECT ACKNOWLEDGE message and enters U10.

L3BU_37_08
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, unusable forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),

- sends a RELEASE message (Cause value = 93) and enters U11.

3BU_37_09
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, unusable forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),

- sends a RELEASE message (Cause value = 93) and enters U11.

L3BU_37_10
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, unusable backward maximum CPCS-SDU size present),

- sends a RELEASE message (Cause value = 93) and enters U11.

L3BU_37_11
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, unusable backward maximum CPCS-SDU size present),

- sends a RELEASE message (Cause value = 93) and enters U11.

L3BU_37_12
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, non-permitted octet groups present),

- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_13
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, non-permitted octet groups present),

- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_14
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size greater than requested present, backward maximum CPCS-SDU size present),

- sends a RELEASE message (Cause value = 100) and enters U11.
L3BU_37_15
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size greater than requested present, backward maximum CPCS-SDU size present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_16
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size greater than requested present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_17
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size greater than requested present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_18
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_19
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_20
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a RELEASE message (Cause value = 100) and enters U11.

L3BU_37_21
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, forward maximum CPCS-SDU size present, backward maximum CPCS-SDU size present),
- sends a RELEASE message (Cause value = 100) and enters U11.
5.2.3.1.2 MID range negotiation (38)


**Selection:** AAL connection type ¾ supported. PICS: IERu 17.1.4 AND IETu 17.1.4

**L3BU_38_01**
Ensure that the IUT in U6, having received a SETUP message (ATM adaption layer parameter present, MID range present), to accept the call,

- sends a CONNECT message (ATM adaption layer parameter present, MID range present) and enters U8.

**L3BU_38_02**
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, acceptable MID range present),

- sends a CONNECT ACKNOWLEDGE message and enters U10.

**L3BU_38_03**
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, acceptable MID range present),

- sends a CONNECT ACKNOWLEDGE message and enters U10.

**L3BU_38_04**
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, unacceptable MID range present),

- sends a RELEASE message (Cause value = 93) and enters U11.

**L3BU_38_05**
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, unacceptable MID range present),

- sends a RELEASE message (Cause value = 93) and enters U11.

**L3BU_38_06**
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter absent),

- sends a CONNECT ACKNOWLEDGE message and enters U10.

**L3BU_38_07**
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter absent),

- sends a CONNECT ACKNOWLEDGE message and enters U10.

**L3BU_38_08**
Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, MID range greater than requested present),

- sends a RELEASE message (Cause value = 100) and enters U11.

**L3BU_38_09**
Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, MID range present), on receipt of a CONNECT message (ATM adaption layer parameter present, MID range greater than requested present),

- sends a RELEASE message (Cause value = 100) and enters U11.
5.2.3.1.3 Use of maximum CPS-SDU size (39)


**Selection:** AAL connection type 2 supported. PICS: IERu 17.1.2 AND IETu 17.1.2.

**L3BU_39_01**

Ensure that the IUT in U3, having sent a SETUP message (ATM adaption layer parameter present, maximum CPS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, unusable maximum CPS-SDU size present),
- sends a RELEASE message (Cause value = 93) and enters U11.

**L3BU_39_02**

Ensure that the IUT in U4, having sent a SETUP message (ATM adaption layer parameter present, maximum CPS-SDU size present), on receipt of a CONNECT message (ATM adaption layer parameter present, unusable maximum CPS-SDU size present),
- sends a RELEASE message (Cause value = 93) and enters U11.

5.2.3.1.4 AAL type selection and negotiation procedures (40)


**L3BU_40_01**

Ensure that the IUT in U0, to initiate call establishment with the indication of an alternative AAL type,
- sends a SETUP message (two ATM adaption layer parameters present) and enters U1.

5.2.3.2 Indication of using the recovered clock for transmission (41)

Test purposes for EN 300 443-1 [1] annex M.

**L3BU_41_01**

Ensure that the IUT in U0, to initiate call establishment with the indication of the intention to use the recovered clock for transmission,
- sends a SETUP message (Broadband report type present, type of report = Recovered clock of the receiver used for transmit (TX) clock) and enters U1.

**L3BU_41_02**

Ensure that the IUT during incoming call establishment (received SETUP message not including a type of report = Recovered clock of the receiver used for transmit (TX) clock), to indicate the intention to use the recovered clock for transmission,
- sends an ALERTING or a CONNECT message (Broadband report type present, type of report = Recovered clock of the receiver used for transmit (TX) clock) and enters the relevant call state U7 or U8.

5.2.3.3 End-to-end connection completion indication (42)

Test purposes for EN 300 443-1 [1] annex N.

**L3BU_42_01**

Ensure that the IUT during incoming call establishment, to request the end-to-end connection completion indication,
- sends a CONNECT message (Broadband report type present, type of report = End-to-end connection completion indication requested) and enters U8.

**L3BU_42_02**

Ensure that the IUT in U0, to initiate call establishment with the indication of support of connection completion indication,
- sends a SETUP message (Broadband report type present, type of report = End-to-end connection completion capability available) and enters U1.
L3BU_42_03
Ensure that the IUT in U3, on receipt of a CONNECT message (Broadband report type present, type of report = End-to-end connection completion indication requested),
- sends a CONNECT ACKNOWLEDGE message and a CONNECTION AVAILABLE message (Broadband report type present, type of report = End-to-end connection completed) and enters U10.

L3BU_42_04
Ensure that the IUT in U4, on receipt of a CONNECT message (Broadband report type present, type of report = End-to-end connection completion indication requested),
- sends a CONNECT ACKNOWLEDGE message and a CONNECTION AVAILABLE message (Broadband report type present, type of report = End-to-end connection completed) and enters U10.

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 [4].

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 [4], shall be used by any organization claiming to provide a comprehensive testing service for user equipment claiming conformance to EN 300 443-1 [1].
Annex A (informative):
Bibliography

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

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