Draft ETSI EN 301 816-3 V1.1.1 (2001-01)

European Standard (Telecommunications series)
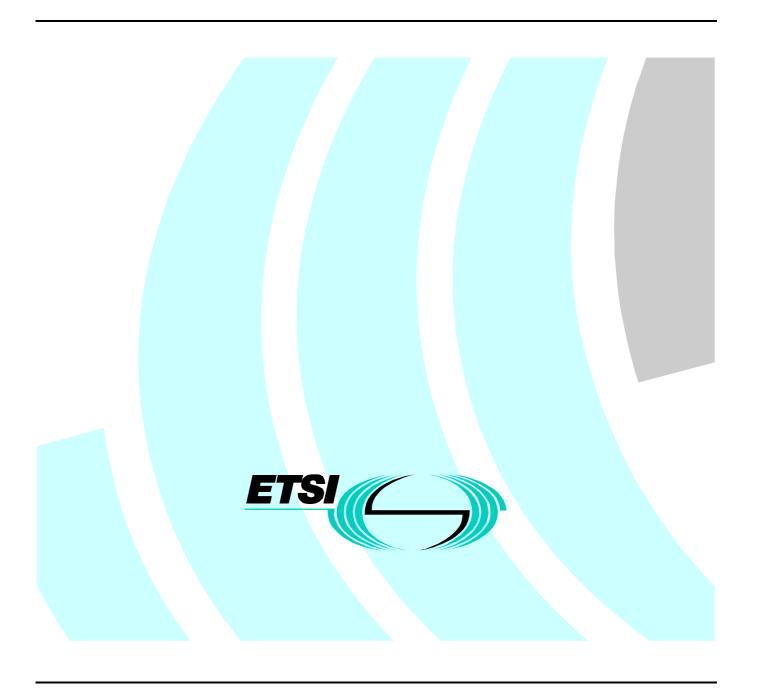
Broadband Integrated Services Digital Network (B-ISDN); AAL Type 2 Signaling Protocol; Capability Set 1; Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification

ETSI

Reference
DEN/SPAN-130211-3

Keywords
broadband, B-ISDN, ATM, AAL, DSS2, testing,
TSS&TP

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Sous-Préfecture de Grasse (06) N° 7803/88

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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 Public Enquiry phase of the ETSI standards Two-step Approval Procedure.

The present document is part 3 of a multi-part deliverable covering the Broadband Integrated Services Digital Network (B-ISDN); AAL Type 2 Signalling protocol (Capability set 1), as identified below:

Part 1: "Protocol specification [ITU-T Recommendation Q.2630.1 (1999) modified]";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purpose (TSS&TP) specification";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

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 provides the Test Suite Structure and Test Purposes (TSS&TP) for the AAL Type 2 Signalling Protocol as specified in EN 301 816-1 [1].

The present document is applicable between AAL type 2 nodes and describes nodal functions that are used to control AAL type 2 point-to-point bearer connections.

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, edition number, version number, etc.) or non-specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, subsequent revisions do apply.

[1]   ETSI EN 301 816-1 (V1.1.1): "Broadband Integrated Services Digital Network (B-ISDN); AAL Type 2 Signalling protocol; Capability Set 1; Part 1: Protocol specification [ITU-T Recommendation Q.2630.1 (1999), modified]".

[2]   ETSI EN 301 816-2 (V1.1.1): "Broadband integrated services Digital Network (B-ISDN) AAL Type 2 Signalling; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

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

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

[5]   ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply in addition to the definitions in EN 301 816-1 [1]:

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

Abstract Test Method (ATM): refer to ISO/IEC 9646-1 [3].

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

Implementation Under Test (IUT): 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].

Protocol Implementation Conformance Statement (PICS): refer to ISO/IEC 9646-1 [3].

Protocol Implementation eXtra Information for Testing (PIXIT): refer to ISO/IEC 9646-1 [3].

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

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
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure

4   Test Suite Structure (TSS)

The test suite structure is a tree. Three test group levels are defined. The TSS is depicted in figure 1. The levels are the following:

1st level: the name representing the base specification (EN 301 816-1 [1]): AAL2

2nd level: the phases of the base specification:

- Connection set up (CS);

- Connection release(CR);

- Reset (RE);

- Blocking/Unblocking (BL).

3rd level: initiator or responder:

- Initiator (I);

- Responder (R).

4th level: the nature of the test:

- Valid (V);

- Syntactically invalid (SI);

- Inopportune (IO).

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 1: TP identifier naming convention scheme

Identifier: **<suite_id>_<group>_<nn>**

<suite_id>   =   layer + type of IUT: "**AAL2**" for AAL type 2 signalling

<group>   =   group number (3 digits): 1st digit   1 Connection set up; 2 Connection release; 3 Reset; 4 Blocking/Unblocking

2nd digit   1 Initiator; 2 Responder

3rd digit   1 Valid; 2 Syntactically invalid; 3 Inopportune

<nn>   =   sequential number: (01-99)

5.1.2   Source of TP definition

The TPs are based on EN 301 816-1 [1].

5.1.3   TP Structure

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

Table 2: Structure of a single TP

TP part	Text	Example
Header	<Identifier> *tab* <paragraph number in base EN> *tab*	see table 1 clause 0.0.0
Stimulus	Ensure that the IUT in the <state> *Incoming, outgoing or management entity state* <trigger> *see below for message structure* *or* <goal>	"Idle", "Established" etc. receiving a XXXX message in order to…
Reaction	<action> <conditions> *if the action is sending* *see below for message structure* <next action>, *etc.*	sends, stops, etc. using, ...
Message structure	<Message type> message containing a <field name> encoded as *or* including <coding of field a>*,* <coding of field b>	ERQ, ECF, REL, RLC, RES …. Cause, Connection element identifier…
NOTE:	Text in italics will not appear in TPs and text between <> is filled in for each TP and may differ from one TP to the next.	

## 5.1.4	Test strategy

As the base standard EN 301 816-1 [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 301 816-2 [2]. The criteria applied include the following:

- only the requirements from the point of view of the GST-SAP are considered;

- whether or not a test case can be built from the TP is not considered.

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 [5]).

## 5.1.5	Test of call states

It is not possible to test the final states because no procedures are defined for this.

# 5.2	TPs for AAL type 2 signalling

## 5.2.1	Connection set up

### 5.2.1.1	Originating side (outgoing protocol entity)

#### 5.2.1.1.1	Valid

**AAL2_111_01	clauses 8.2.1.1.1.1, 8.2.2.1.1 and 8.3.2.1**

Ensure that the IUT in "Idle" state, in order to establish a new AAL type 2 connection,

>	sends an ERQ message with the destination signalling association identifier field set to "unknown" with all the mandatory parameters.

**AAL2_111_02	clauses 8.2.1.1.1.1, 8.2.2.1.1 and 8.3.2.1**

Ensure that the IUT in "Outgoing establishment pending" state, receiving an ECF message,

>	will not send RES message (as a result of Timer_ERQ expiry).

**AAL2_111_03	clauses 8.2.1.1.2.1, 8.2.2.1.2 and 8.3.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, receiving an RLC message,

>	will not send RES message (as a result of Timer_ERQ expiry).

**AAL2_111_04	clauses 8.2.1.1.2.1, 8.2.1.2.1, 8.2.2.1.2 and 8.3.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, on Timer_ERQ expiry,

>	send a RES message (with the appropriate path and channel identifier).

#### 5.2.1.1.2	Syntactically invalid

**AAL2_112_01	clause 8.3.1**

Ensure that the IUT in "Outgoing establishment pending" state, receiving an ECF message without Message compatibility field and no parameters,

>	sends RES message at Timer_ERQ expiry.

AAL2_112_02   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving ECF message with a parameter, which length point to beyond the end of the message,

> sends RES message at Timer_ERQ expiry.

AAL2_112_03   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an ECF message, with illegal/invalid DSAID value (not the value "unknown"),

> sends RES message at Timer_ERQ expiry.

AAL2_112_04   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an ECF message, without mandatory OSAID value,

> sends RES message at Timer_ERQ expiry.

AAL2_112_05   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an ECF message, with "zero" OSAID value,

> sends RES message at Timer_ERQ expiry.

AAL2_112_06   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an RLC message without Message compatibility field and no parameters,

> sends RES message at Timer_ERQ expiry.

AAL2_112_07   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving RLC message with a parameter, which length point to beyond the end of the message,

> sends RES message at Timer_ERQ expiry.

AAL2_112_08   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving RLC message with a field, which length point to beyond the end of the parameter,

> sends RES message at Timer_ERQ expiry.

AAL2_112_09   clause 8.3.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an RLC message, with illegal/invalid DSAID value (not the value "unknown"),

> sends RES message at Timer_ERQ expiry.

AAL2_112_10   clause 8.1.2.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

> sends RES message at Timer_ERQ expiry.

AAL2_112_11   clauses 8.1.2.1 and 8.3.2.6

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

> sends RES message at Timer_ERQ expiry.

AAL2_112_12   clause 8.1.2.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

    sends RES message at Timer_ERQ expiry.

AAL2_112_13   clause 8.1.2.1

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Release connection",

    sends RES message at Timer_ERQ expiry.

AAL2_112_14   clause 8.1.2.2

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Pass on message or parameter",

    will not send RES message (as a result of Timer_ERQ expiry).

AAL2_112_15   clause 8.1.2.2

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

    will not send RES message (as a result of Timer_ERQ expiry).

AAL2_112_16   clause 8.1.2.2

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Send notification",

    sends back CFN message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers and not send RES message (as a result of Timer_ERQ expiry).

AAL2_112_17   clause 8.1.2.2

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

    sends RES message at Timer_ERQ expiry.

AAL2_112_18   clauses 8.1.2.2 and 8.3.2.6

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

    sends RES message at Timer_ERQ expiry.

AAL2_112_19   clause 8.1.2.2

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the Instruction indicator coded as "Release connection",

    sends back REL message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_112_20 **clause 8.1.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, receiving an unrecognized parameter in an ECF message, with the "pass on not possible" Instruction indicator coded as "pass on message or parameter" and not able to pass on this parameter,

    sends back REL message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_112_21 **clause 8.1.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, receiving a ECF message with two unrecognized parameter with different Instruction indicator, one coded as "Discard message" with send notification indicator set to "Do not send notification" and the other code as "Pass on message or parameter",

    sends RES message at Timer_ERQ expiry.

AAL2_112_22 **clause 8.1.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, receiving a ECF message with two unrecognized parameter with different Instruction indicator, one coded as "Discard message" with send notification indicator set to "Send notification" and the other code as "Pass on message or parameter",

    sends RES message at Timer_ERQ expiry.

AAL2_112_23 **clause 8.1.2.2**

Ensure that the IUT in "Outgoing establishment pending" state, receiving a ECF message with two unrecognized parameter with different Instruction indicator, one coded as "Release the connection" and the other code as "Pass on message or parameter",

    sends back REL message with the cause "Information element/parameter non-existent or not implemented" and the diagnostic field containing the first detected unrecognized parameter which caused the connection to be released.

5.2.1.1.3 Inopportune

AAL2_113_01 **clause 8.3.1**

Ensure that the IUT in "Outgoing establishment pending" state, upon receipt of an unexpected *(eg.REL)* message,

    sends RES message at Timer_ERQ expiry.

AAL2_113_02 **clause 8.3.1**

Ensure that the IUT in "Established" state, receiving an unexpected message,

    sends no message.

5.2.1.2 Destination side

5.2.1.2.1 Valid

AAL2_121_01 **clauses 8.2.1.1.1.2, 8.2.2.1.1 and 8.3.3.1**

Ensure that the IUT in "Idle" state, receiving an acceptable ERQ message,

    sends an ECF message.

AAL2_121_02 **clauses 8.2.1.1.1.2, 8.2.2.1.1 and 8.3.3.1**

Ensure that the IUT in "Idle" state, receiving an ERQ message with TCI parameter requesting a "locally blocked" AAL type 2 path,

    sends an ECF message.

AAL2_121_03   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message, but resources of AAL type 2 path are not available,

> sends a RES message with the cause either "Resource unavailable, unspecified" or "Requested circuit/channel not available".

AAL2_121_04   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message, but the SAID allocation fails,

> sends a RES message with the cause either "Resource unavailable, unspecified".

AAL2_121_05   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message with unsupported SSCS parameters,

> sends a RES message with the cause either "AAL parameters cannot be supported".

AAL2_121_06   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message without TCI parameter requesting a "locally blocked" AAL type 2 path,

> sends a BLO message (with the appropriate path and channel identifier).

AAL2_121_07   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message without TCI parameter requesting a "remotely blocked" AAL type 2 path,

> sends an ECF message.

AAL2_121_08   **clauses 8.2.1.1.2.2, 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Idle" state, receiving an ERQ message, but internal resources are not available,

> sends a RES message with the cause "Switching equipment congestion".

AAL2_121_09   **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of the destination number is not allocated,

> sends a RLC message with the cause "Unallocated number".

  Selection: Not SC.3 Non switched

AAL2_121_10   **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of there is no selectable route,

> sends a RLC message with the cause "No route to destination".

AAL2_121_11   **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of no resource to select a channel,

> sends a RLC message with the cause "No circuit/channel available".

AAL2_121_12   **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of no resources are available,

> sends a RLC message with the cause "Resource unavailable, unspecified".

AAL2_121_13 **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of network is out of order,

sends a RLC message with the cause "Network out of order".

AAL2_121_14 **clauses 8.2.2.1.2 and 8.3.3.2**

Ensure that the IUT in "Incoming establishment pending" state, in order to indicate unsuccessful establishment, because of temporary failure,

sends a RLC message with the cause "Temporary failure".

AAL2_121_15 **clauses 8.2.2.1.2 and 8.3.2.2**

Ensure that the IUT in "Incoming establishment pending" state, on expiry of destination side Timer_ERQ,

send a RES message with the cause "Recovery on timer expiry"(with the appropriate path and channel identifier).

Selection: R1.2 Transit Entity Role

5.2.1.2.2 Syntactically invalid

AAL2_122_01 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving an ERQ message without Message compatibility field and no parameters,

sends no message.

AAL2_122_02 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving ERQ message with a parameter, which length point to beyond the end of the message,

sends no message.

AAL2_122_03 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving ERQ message with a field, which length point to beyond the end of the parameter,

sends no message.

AAL2_122_04 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving an unrecognized message, with "unknown" DSAID value,

sends no message.

AAL2_122_05 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving an ERQ message, with illegal/invalid DSAID value (not the value "unknown"),

sends no message.

AAL2_122_06 **clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving an ERQ message, without mandatory OSAID value,

sends no message.

AAL2_122_07   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving an ERQ message, with "zero" OSAID value,

>   sends no message.

AAL2_122_08   clause 8.1.2.1

Ensure that the IUT in "Idle" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

>   sends no message.

AAL2_122_09   clause 8.1.2.1

Ensure that the IUT in "Idle" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

>   sends no message.

AAL2_122_10   clause 8.1.2.1

Ensure that the IUT in "Idle" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

>   sends no message.

AAL2_122_11   clause 8.1.2.1

Ensure that the IUT in "Idle" state, receiving an unrecognized message, with the Instruction indicator coded as "Release connection",

>   sends no message.

AAL2_122_12   clause 8.1.2.2 a)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an acceptable ERQ message, with the Instruction indicator coded as "Pass on message or parameter",

>   sends an ECF message.

AAL2_122_13   clause 8.1.2.2 b)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an acceptable ERQ message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

>   sends an ECF message.

AAL2_122_14   clause 8.1.2.2 c)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an ERQ message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Send notification",

>   sends back CFN message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_122_15   clause 8.1.2.2 d)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an ERQ message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

>   sends no message.

AAL2_122_16   clause 8.1.2.2 e)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an ERQ message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

> sends back CFN message with the cause "Message with unrecognized parameter, discarded" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_122_17   clause 8.1.2.2 f)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an ERQ message, with the Instruction indicator coded as "Release connection",

> sends back RLC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_122_18   clause 8.1.2.2 f)

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in an ERQ message, with the "pass on not possible" Instruction indicator coded as "pass on message or parameter" and not able to pass on this parameter,

> sends back RLC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_122_19   clause 8.1.2.2

Ensure that the IUT in "Idle" state, receiving a ERQ message with two unrecognized parameter with different Instruction indicator, one coded as "Discard message" with send notification indicator set to "Do not send notification" and the other code as "Pass on message or parameter",

> sends no message.

AAL2_122_20   clause 8.1.2.2

Ensure that the IUT in "Idle" state, receiving a ERQ message with two unrecognized parameter with different Instruction indicator, one coded as "Discard message" with send notification indicator set to "Send notification" and the other code as "Pass on message or parameter",

> sends back CFN message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the first detected unrecognized parameter which caused message to be discarded.

AAL2_122_21   clause 8.1.2.2

Ensure that the IUT in "Idle" state, receiving a ERQ message with two unrecognized parameter with different Instruction indicator, one coded as "Release the connection" and the other code as "Pass on message or parameter",

> sends back RLC message with the cause "Information element/parameter non-existent or not implemented" and the diagnostic field containing the first detected unrecognized parameter which caused the connection to be released.

5.2.1.2.3   Inopportune

AAL2_123_01   clause 8.3.1

Ensure that the IUT in "Established" state, receiving an unexpected message,

> sends no message.

## 5.2.2	Connection release

### 5.2.2.1	Originating side

#### 5.2.2.1.1	Valid

**AAL2_211_01	clauses 8.2.1.1.3.1, 8.2.2.1.3 and 8.3.2.3**

Ensure that the IUT in "Established" state, in order to release an existing connection,

sends an REL message with the cause "Normal, unspecified".

**AAL2_211_02	clauses 8.2.1.1.3.1 and 8.3.2.3**

Ensure that the IUT in "Established" state, in order to release an existing connection, because SSCS parameters can not be supported,

sends an REL message with the cause "AAL parameters cannot be supported".

**AAL2_211_03	clauses 8.2.1.1.3.1, 8.2.2.1.3 and 8.3.2.3**

Ensure that the IUT in "Outgoing release pending" state, receiving an RLC message,

will not send RES message (as a result of Timer_REL expiry).

**AAL2_211_04	clauses 8.2.1.1.3.1 and 8.3.2.4**

Ensure that the IUT in "Outgoing release pending" state, receiving an REL message,

sends a RLC message without any cause.

**AAL2_211_05	clauses 8.2.1.1.3.1 and 8.3.2.4**

Ensure that the IUT in "Release collision" state, receiving an RLC message,

will not send RES message (as a result of Timer_REL expiry).

**AAL2_211_06	clauses 8.2.1.1.4, 8.2.1.2.1, 8.2.2.1.4 and 8.3.2.5**

Ensure that the IUT in "Outgoing release pending" state, on Timer_REL expiry,

send a RES message (with the appropriate path and channel identifier).

**AAL2_211_07	clauses 8.2.1.1.4, 8.2.1.2.1, 8.2.2.1.4 and 8.3.2.5**

Ensure that the IUT in "Release collision" state, on Timer_REL expiry,

send a RES message (with the appropriate path and channel identifier).

#### 5.2.2.1.2	Syntactically invalid

**AAL2_212_01	clause 8.3.1**

Ensure that the IUT in "Outgoing release pending" state, receiving RLC message without Message compatibility field and no parameters,

sends RES message at Timer_REL expiry.

**AAL2_212_02	clause 8.3.1**

Ensure that the IUT in "Outgoing release pending" state, receiving RLC message with a parameter, which length point to beyond the end of the message,

sends RES message at Timer_REL expiry.

AAL2_212_03   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving RLC message with a field, which length point to beyond the end of the parameter,

    sends RES message at Timer_REL expiry.

AAL2_212_04   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving RLC message with illegal/invalid DSAID value (a value "unknown"),

    sends RES message at Timer_REL expiry.

AAL2_212_05   clause 8.1.2.1

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

    sends RES message at Timer_REL expiry.

AAL2_212_06   clause 8.1.2.1

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

    sends RES message at Timer_REL expiry.

AAL2_212_07   clause 8.1.2.1

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

    sends back CFN message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier and sends RES message at Timer_REL expiry.

AAL2_212_08   clause 8.1.2.1

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Release connection",

    sends back REL message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier.

AAL2_212_09   clause 8.1.2.2

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized parameter in a RLC message,

    will not send RES message (as a result of Timer_REL expiry).

AAL2_212_10   clause 8.3.1

Ensure that the IUT in "Release collision" state, receiving RLC message without Message compatibility field and no parameters,

    sends RES message at Timer_REL expiry.

AAL2_212_11   clause 8.3.1

Ensure that the IUT in "Release collision" state, receiving RLC message with a parameter, which length point to beyond the end of the message,

    sends RES message at Timer_REL expiry.

AAL2_212_12   clause 8.3.1

Ensure that the IUT in "Release collision" state, receiving RLC message with a field, which length point to beyond the end of the parameter,

>   sends RES message at Timer_REL expiry.

AAL2_212_13   clause 8.3.1

Ensure that the IUT in "Release collision" state, receiving RLC message with illegal/invalid DSAID value (a value "unknown"),

>   sends RES message at Timer_REL expiry.

AAL2_212_14   clause 8.1.2.1

Ensure that the IUT in "Release collision" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

>   sends RES message at Timer_REL expiry.

AAL2_212_15   clause 8.1.2.1

Ensure that the IUT in "Release collision" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

>   sends RES message at Timer_REL expiry.

AAL2_212_16   clause 8.1.2.1

Ensure that the IUT in "Release collision" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

>   sends back CFN message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier and sends RES message at Timer_REL expiry.

AAL2_212_17   clause 8.1.2.1

Ensure that the IUT in "Release collision" state, receiving an unrecognized message, with the Instruction indicator coded as "Release connection",

>   sends back RLC message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier.

AAL2_212_18   clause 8.1.2.2

Ensure that the IUT in "Release collision" state, receiving an unrecognized parameter in a RLC message,

>   will not send RES message (as a result of Timer_REL expiry).

AAL2_212_19   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving REL message without Message compatibility field and no parameters,

>   sends RES message at Timer_REL expiry.

AAL2_212_20   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving REL message with a parameter, which length point to beyond the end of the message,

>   sends RES message at Timer_REL expiry.

AAL2_212_21   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving REL message with a field, which length point to beyond the end of the parameter,

sends RES message at Timer_REL expiry.

AAL2_212_22   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving REL message with illegal/invalid DSAID value (a value not "unknown"),

sends RES message at Timer_REL expiry.

AAL2_212_23   clause 8.1.2.2

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Pass on message or parameter",

sends back RLC message without cause.

AAL2_212_24   clause 8.1.2.2

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

sends back RLC message without cause.

AAL2_212_25   clause 8.1.2.2

Ensure that the IUT in "Outgoing release pending" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Send notification",

sends back RLC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

5.2.2.1.3   Inopportune

AAL2_213_01   clause 8.3.1

Ensure that the IUT in "Outgoing release pending" state, receiving an unexpected message,

sends RES message at Timer_REL expiry.

AAL2_213_02   clause 8.3.1

Ensure that the IUT in "Release collision" state, receiving an unexpected message,

sends RES message at Timer_REL expiry.

5.2.2.2   Destination side

5.2.2.2.1   Valid

AAL2_221_01   clauses 8.2.1.1.3.2, 8.2.2.1.3 and 8.3.2.3

Ensure that the IUT in "Established" state, receiving a REL message,

sends a RLC message without any cause.

5.2.2.2.2 Syntactically invalid

AAL2_222_01   clause 8.3.1

Ensure that the IUT in "Established" state, receiving REL message without Message compatibility field and no parameters,

> sends no message.

AAL2_222_02   clause 8.3.1

Ensure that the IUT in "Established" state, receiving REL message with a parameter, which length point to beyond the end of the message,

> sends no message.

AAL2_222_03   clause 8.3.1

Ensure that the IUT in "Established" state, receiving REL message with a field, which length point to beyond the end of the parameter,

> sends no message.

AAL2_222_04   clause 8.3.1

Ensure that the IUT in "Established" state, receiving REL message with illegal/invalid DSAID value (a value not "unknown"),

> sends no message.

AAL2_222_05   clause 8.1.2.1

Ensure that the IUT in "Established" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

> sends no message.

AAL2_222_06   clause 8.1.2.1

Ensure that the IUT in "Established" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

> sends no message.

AAL2_222_07   clause 8.1.2.1

Ensure that the IUT in "Established" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

> sends back CFN message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier.

AAL2_222_08   clause 8.1.2.1

Ensure that the IUT in "Established" state, receiving an unrecognized message, with the Instruction indicator coded as "Release connection",

> sends back REL message with the cause "Message type non-existent or not implemented" followed by a diagnostic field containing only the message identifier.

AAL2_222_09   clause 8.1.2.2

Ensure that the IUT in "Established" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Pass on message or parameter",

> sends back RLC message without cause.

AAL2_222_10   clause 8.1.2.2

Ensure that the IUT in "Established" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

sends back RLC message without cause.

AAL2_222_11   clause 8.1.2.2

Ensure that the IUT in "Established" state, receiving an unrecognized parameter in a REL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

sends back RLC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

5.2.3   Restart

5.2.3.1   Initiator

5.2.3.1.1   Valid

AAL2_311_01   clauses 8.2.1.2.1 and 8.3.4.1.1

Ensure that the IUT, in order to restart all AAL2 path associated with a signalling association,

sends a RES message with the destination signalling association identifier field set to "unknown", and the Connection element identifier with a "Null" value and.

AAL2_311_02   clauses 8.2.1.2.1 and 8.3.4.1.1

Ensure that the IUT, in order to restart a specific AAL2 path,

sends a RES message with the destination signalling association identifier field set to "unknown", and the Channel identifier with a "Null" value.

AAL2_311_03   clauses 8.2.1.2.1 and 8.3.4.1.1

Ensure that the IUT, in order to restart specific channel in an AAL2 path,

sends a RES message with the destination signalling association identifier field set to "unknown", and the Connection element identifier with the specific path and channel identifier.

AAL2_311_04   clause 8.3.4.1.1

Ensure that the IUT in "Outgoing reset pending" state, receiving an RSC message,

will not send RES message (as a result of Timer_RES expiry).

AAL2_311_05   clause 8.3.4.1.3

Ensure that the IUT in "Outgoing reset pending" state, on Timer_RES expiry,

sends RES message.

AAL2_311_06   clause 8.3.4.1.3

Ensure that the IUT in "Outgoing reset continuing" state, on Timer_RES expiry,

sends RES message.

AAL2_311_07   clause 8.3.4.1.3

Ensure that the IUT in "Outgoing reset continuing" state, receiving an RSC message,

will not send RES message (as a result of Timer_RES expiry).

### 5.2.3.1.2	Syntactically invalid

**AAL2_312_01	clause 8.3.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving RSC message without Message compatibility field and no parameters,

> sends RES message at Timer_RES expiry.

**AAL2_312_02	clause 8.3.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving RSC message with a parameter, which length point to beyond the end of the message,

> sends RES message at Timer_RES expiry.

**AAL2_312_03	clause 8.3.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving RSC message with a field, which length point to beyond the end of the parameter,

> sends RES message at Timer_RES expiry.

**AAL2_312_04	clause 8.3.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving RSC message with illegal/invalid DSAID value (a value "unknown"),

> sends RES message at Timer_RES expiry.

**AAL2_312_05	clause 8.1.2.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

> sends RES message at Timer_RES expiry.

**AAL2_312_06	clause 8.1.2.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

> sends RES message at Timer_RES expiry.

**AAL2_312_07	clause 8.1.2.1**

Ensure that the IUT in "Outgoing reset pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

> sends RES message at Timer_RES expiry.

**AAL2_312_08	clause 8.1.2.2**

Ensure that the IUT in "Outgoing reset pending" state, receiving an unrecognized parameter in a RSC message,

> will not send RES message (as a result of Timer_RES expiry).

**AAL2_312_09	clause 8.3.1**

Ensure that the IUT in "Outgoing reset continuing" state, receiving RSC message without Message compatibility field and no parameters,

> sends RES message at Timer_RES expiry.

AAL2_312_10   clause 8.3.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving RSC message with a parameter, which length point to beyond the end of the message,

    sends RES message at Timer_RES expiry.

AAL2_312_11   clause 8.3.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving RSC message with a field, which length point to beyond the end of the parameter,

    sends RES message at Timer_RES expiry.

AAL2_312_12   clause 8.3.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving RSC message with illegal/invalid DSAID value (a value "unknown"),

    sends RES message at Timer_RES expiry.

AAL2_312_13   clause 8.1.2.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

    sends RES message at Timer_RES expiry.

AAL2_312_14   clause 8.1.2.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

    sends RES message at Timer_RES expiry.

AAL2_312_15   clause 8.1.2.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

    sends RES message at Timer_RES expiry.

AAL2_312_16   clause 8.1.2.2

Ensure that the IUT in "Outgoing reset continuing" state, receiving an unrecognized parameter in a RSC message,

    will not send RES message (as a result of Timer_RES expiry).

5.2.3.1.3   Inopportune

AAL2_313_01   clause 8.3.1

Ensure that the IUT in "Outgoing reset pending" state, receiving an unexpected message,

    sends RES message at Timer_RES expiry.

AAL2_313_02   clause 8.3.1

Ensure that the IUT in "Outgoing reset continuing" state, receiving an unexpected message,

    sends RES message at Timer_RES expiry.

5.2.3.2   Responder

5.2.3.2.1   Valid

AAL2_321_01   clauses 8.2.1.2.1.2 and 8.3.4.1.2

Ensure that the IUT in "Idle" state, receiving a RES message, with the path identifier field "Null",

sends an RSC message.

AAL2_321_02   clauses 8.2.1.2.1.2 and 8.3.4.2.1

Ensure that the IUT in "Idle" state, receiving a RES message, with the path identifier field "Null", when an AAL type 2 path to be restarted is indicated as "locally blocked",

sends an BLO message with the path identifier filed indicating the "locally blocked" path.

AAL2_321_03   clauses 8.2.1.2.1.2 and 8.3.4.1.2

Ensure that the IUT in "Idle" state, receiving a RES message, with the path identifier field "non-Null", and the channel identifier field "Null",

sends an RSC message.

AAL2_321_04   clauses 8.2.1.2.1.2 and 8.3.4.2.1

Ensure that the IUT in "Idle" state, receiving a RES message, with the path identifier field "non-Null", and the channel identifier field "Null", when the indicated AAL type 2 path is "locally blocked",

sends an BLO message with the path identifier filed indicating the "locally blocked" path.

AAL2_321_05   clauses 8.2.1.2.1.2 and 8.3.4.1.2

Ensure that the IUT in "Idle" state, receiving a RES message, with the Path identifier field "non-Null", and the channel identifier field "non-Null",

sends an RSC message.

5.2.3.2.2   Syntactically invalid

AAL2_322_01   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving an RES message without Message compatibility field and no parameters,

sends no message.

AAL2_322_02   clause 8.3.1

Ensure that the IUT in "Established" state, receiving RES message with a parameter, which length point to beyond the end of the message,

sends no message.

AAL2_322_03   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving RES message, with illegal/invalid DSAID value (a value not "unknown"),

sends no message.

AAL2_322_04   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving a RES message, without mandatory OSAID value,

sends no message.

AAL2_322_05　　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving a RES message, with "zero" OSAID value,

　　　sends no message.

AAL2_322_06　　　　**clause 8.1.2.2**

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a RES message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

　　　sends back RSC message without cause.

AAL2_322_07　　　　**clause 8.1.2.2**

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a RES message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Send notification",

　　　sends back RSC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

5.2.4　　Blocking/unblocking

5.2.4.1　　Initiator

5.2.4.1.1　　Valid

AAL2_411_01　　　　**clauses 8.2.1.2.2.1 and 8.3.4.2.1**

Ensure that the IUT, in order to block a specific AAL2 path,

　　　sends a BLO message with the destination signalling association identifier field set to "unknown", and the Channel identifier with a "Null" value.

AAL2_411_02　　　　**clauses 8.2.1.2.2.1 and 8.3.4.2.1**

Ensure that the IUT in "Outgoing block pending" state, receiving an BLC message,

　　　sends no message.

AAL2_411_03　　　　**clauses 8.2.1.2.2.2 and 8.3.4.2.1**

Ensure that the IUT, in order to unblock a specific AAL2 path,

　　　sends a UBL message with the destination signalling association identifier field set to "unknown", and the Channel identifier with a "Null" value.

AAL2_411_04　　　　**clauses 8.2.1.2.2.2 and 8.3.4.2.1**

Ensure that the IUT in "Outgoing unblock pending" state, receiving an UBC message,

　　　sends no message.

AAL2_411_05　　　　**clause 8.3.4.2.3**

Ensure that the IUT in "Outgoing block pending" state, on Timer_BLO expiry,

　　　sends no message.

AAL2_411_06　　　　**clause 8.3.4.2.3**

Ensure that the IUT in "Outgoing unblock pending" state, on Timer_UBL expiry,

　　　sends no message.

5.2.4.1.2   Syntactically invalid

AAL2_412_01   clause 8.3.1

Ensure that the IUT in "Outgoing block pending" state, receiving BLC message without Message compatibility field and no parameters,

 sends no message.

AAL2_412_02   clause 8.3.1

Ensure that the IUT in "Outgoing block pending" state, receiving BLC message with a parameter, which length point to beyond the end of the message,

 sends no message.

AAL2_412_03   clause 8.3.1

Ensure that the IUT in "Outgoing block pending" state, receiving BLC message with a field, which length point to beyond the end of the parameter,

 sends no message.

AAL2_412_04   clause 8.3.1

Ensure that the IUT in "Outgoing block pending" state, receiving BLC message with illegal/invalid DSAID value (a value "unknown"),

 sends no message.

AAL2_412_05   clause 8.1.2.1

Ensure that the IUT in "Outgoing block pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

 sends no message.

AAL2_412_06   clause 8.1.2.1

Ensure that the IUT in "Outgoing block pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

 sends no message.

AAL2_412_07   clause 8.1.2.1

Ensure that the IUT in "Outgoing block pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

 sends no message.

AAL2_412_08   clause 8.1.2.2

Ensure that the IUT in "Outgoing block pending" state, receiving an unrecognized parameter in a BLC message,

 sends no message.

AAL2_412_09   clause 8.3.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving UBC message without Message compatibility field and no parameters,

 sends no message and do not stop timer.

AAL2_412_10 clause 8.3.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving UBC message with a parameter, which length point to beyond the end of the message,

sends no message.

AAL2_412_11 clause 8.3.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving UBC message with a field, which length point to beyond the end of the parameter,

sends no message.

AAL2_412_12 clause 8.3.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving UBC message with illegal/invalid DSAID value (a value "unknown"),

sends no message.

AAL2_412_13 clause 8.1.2.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Pass on message or parameter",

sends no message.

AAL2_412_14 clause 8.1.2.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Do not send notification",

sends no message.

AAL2_412_15 clause 8.1.2.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving an unrecognized message, with the Instruction indicator coded as "Discard message" and send notification indicator set to "Send notification",

sends no message.

AAL2_412_16 clause 8.1.2.2

Ensure that the IUT in "Outgoing unblock pending" state, receiving an unrecognized parameter in a UBC message,

sends no message.

5.2.4.1.3 Inopportune

AAL2_413_01 clause 8.3.1

Ensure that the IUT in "Outgoing block pending" state, receiving an unexpected message,

sends no message.

AAL2_413_02 clause 8.3.1

Ensure that the IUT in "Outgoing unblock pending" state, receiving an unexpected message,

sends no message.

5.2.4.2　　　Responder

5.2.4.2.1　　　Valid

AAL2_421_01　　　**clauses 8.2.1.2.2.3 and 8.3.4.2.2**

Ensure that the IUT in "Idle" state, receiving a BLO message, with the path identifier field indicated the path to be blocked, and the channel identifier field "Null",

　　　sends an BLC message.

AAL2_421_02　　　**clauses 8.2.1.2.2.4 and 8.3.4.2.2**

Ensure that the IUT in "Idle" state, receiving a UBL message, with the path identifier field indicated the path to be unblocked, and the channel identifier field "Null",

　　　sends an UBC message.

5.2.4.2.2　　　Syntactically invalid

AAL2_422_01　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving an BLO message without Message compatibility field and no parameters,

　　　sends no message.

AAL2_422_02　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving BLO message with a parameter, which length point to beyond the end of the message,

　　　sends no message.

AAL2_422_03　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving BLO message, with illegal/invalid DSAID value (a value not "unknown"),

　　　sends no message.

AAL2_422_04　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving a BLO message, without mandatory OSAID value,

　　　sends no message.

AAL2_422_05　　　**clause 8.3.1**

Ensure that the IUT in "Idle" state, receiving a BLO message, with "zero" OSAID value,

　　　sends no message.

AAL2_422_06　　　**clause 8.1.2.2**

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a BLO message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

　　　sends back BLC message without cause.

AAL2_422_07　　　**clause 8.1.2.2**

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a BLO message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

　　　sends back BLC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

AAL2_422_08   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving an UBL message without Message compatibility field and no parameters,

sends no message.

AAL2_422_09   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving UBL message with a parameter, which length point to beyond the end of the message,

sends no message.

AAL2_422_10   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving UBL message, with illegal/invalid DSAID value (a value not "unknown"),

sends no message.

AAL2_422_11   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving a UBL message, without mandatory OSAID value,

sends no message.

AAL2_422_12   clause 8.3.1

Ensure that the IUT in "Idle" state, receiving a UBL message, with "zero" OSAID value,

sends no message.

AAL2_422_13   clause 8.1.2.2

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a UBL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

sends back UBC message without cause.

AAL2_422_14   clause 8.1.2.2

Ensure that the IUT in "Idle" state, receiving an unrecognized parameter in a UBL message, with the Instruction indicator coded as "Discard parameter" and send notification indicator set to "Do not send notification",

sends back UBC message with the cause "Information element/parameter non-existent or not implemented" followed by a diagnostic field containing the message identifier and parameter identifiers.

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 6;

   b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 5;

   c) use the same naming conventions for the test groups and test cases;

   d) maintain the relationship specified in clause 6 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 6 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 network equipment claiming conformance EN 301 816-1 [1].

History

Document history			
V1.1.1	January 2001	Public Enquiry	PE 20010601: 2001-01-31 to 2001-06-01