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European Standard (Telecommunications series)

Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 5: Test Suite Structure and Test Purposes (TSS&TP) specification for the network

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document is part 5 of a multi-part standard covering the Digital Subscriber Signalling System No. 2 (DSS2) protocol specification for the B-ISDN connection negotiation during call/connection establishment phase, as identified below:

Part 1: "Protocol specification [ITU-T Recommendation Q.2962 [8] (1996), modified]";

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

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";

Part 4: "Abstract Test Suite (ATS) and Partial Protocol Implementations eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";

Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

National transposition dates	
Date of adoption of this EN:	29 October 1999
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1 Scope

This fifth part of EN 301 067 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 connection negotiation during call/connection establishment phase of the Digital Subscriber Signalling System No. two (DSS2) protocol for the pan-European Broadband Integrated Services Digital Network (B-ISDN), EN 301 067-1 [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, edition number, version number, etc.) or non-specific.

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

- For a non-specific reference, the latest version applies.

- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1]   EN 301 067-1 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 1: Protocol specification [ITU-T Recommendation Q.2962 (1996), modified]".

[2]   EN 301 067-2 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

[3]   ISO/IEC 9646-1: "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]   ITU-T Recommendation I.413 (1993): "B-ISDN user-network interface".

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

[7]   EN 300 443-1: "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]".

[8]   ITU-T Recommendation Q.2963.1: "Digital Subscriber Signalling System No. 2 - Connection modification: Peak cell rate modification by the connection owner".

3   Definitions and abbreviations

3.1   Definitions

For the purposes of the present document, the terms and definitions given in EN 301 067-1 [1] and EN 300 443-1 [7] and the following apply:

3.1.1   Definitions related to conformance testing

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]

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

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

Protocol Implementation eXtra Information for Testing (PIXIT): 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

network: DSS2 protocol entity at the Network side of the user-network interface where a TB reference point or coincident SB and TB reference point applies

network (SB/TB): DSS2 protocol entity at the Network side of the user-network interface where a coincident SB and TB reference point applies

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

3.2   Abbreviations

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

ATM	Abstract Test Method
ATS	Abstract Test Suite
B-ISDN	Broadband Integrated Services Digital Network
DSS2	Digital Subscriber Signalling System No. two
IUT	Implementation Under Test
N0	Null link state
N1	Call Initiated link state
N10	Active link state
N3	Outgoing Call Proceeding link state
N4	Call Delivered link state
N6	Call Present link state
N7	Call Received link state
N9	Incoming Call Proceeding link state
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure
VC	Virtual Channel
VP	Virtual Path
VPC	Virtual Path Connection
VPCI	Virtual Path Connection Identifier

4   Test Suite Structure (TSS)

Signalling procedures at the coincident S_B/T_B and at the T_B reference points
    Negotiating the traffic parameters at the origination interface
        Traffic parameter negotiation procedures...(01)
        Negotiation acceptance..(02)
    Negotiating the traffic parameters at the destination interface
        Negotiation request..(03)
        Negotiation confirmation...(04)

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 1: TP identifier naming convention scheme

Identifier:	**<suite_id>_<group>_<nnn>**		
<suite_id>	=	service + type of IUT:	"NEGN" for connection **NEG**otiation, IUT = **N**etwork
<group>	=	group number:	two character field representing the group reference according to TSS
<nn>	=	sequential number:	(01-99)

5.1.2 Source of TP definition

The TPs are based on EN 301 067-1 [1].

5.1.3 Test strategy

As the base standard EN 301 067-1 [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 301 067-2 [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 subclause 5.6.11 of EN 300 443-1 [7]. 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 traffic parameters negotiation, network

All PICS items referred to in this subclause are as specified in EN 301 067-2 [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

5.2.1.1 Negotiating the traffic parameters at the origination interface

Test purposes for EN 301 067-1 [1] subclause 9.1.

5.2.1.1.1 Traffic parameter negotiation procedures (01)

Test purposes for EN 301 067-1 [1] subclause 9.1.2.

NEGN_01_01
Ensure that the IUT in N0, on receipt of a SETUP message, with both alternative ATM traffic descriptor information element, and minimum acceptable ATM traffic descriptor information element included,
- sends a RELEASE COMPLETE message with a cause information element indicating a cause value 73 "unsupported combination of traffic parameters" and remains in N0.

NEGN_01_02
Ensure that the IUT in N0, on receipt of a SETUP message, with the alternative ATM traffic descriptor information element (with not allowed combination of traffic parameters),
- processes the message as valid, optionally sends a STATUS message with a Cause information element indicating a cause value 100 "invalid information element contents" and enters N1.

NEGN_01_03
Ensure that the IUT in N0, on receipt of a SETUP message, with the minimum acceptable ATM traffic descriptor information element (with not allowed combination of traffic parameters),
- processes the message as valid, optionally send a STATUS message with a Cause information element indicating a cause value 100 "invalid information element contents" and enters N1.

NEGN_01_04
Ensure that the IUT in N0, on receipt of a SETUP message, with acceptable traffic parameters included in the ATM traffic descriptor information element, and acceptable traffic parameters included in the minimum acceptable ATM traffic descriptor information element,
- accept the message (resulting in sending a SETUP message including both the ATM traffic descriptor information element and the minimum acceptable ATM traffic descriptor information element) and enters the N1.

NEGN_01_05
Ensure that the IUT in N0, on receipt of a SETUP message, with acceptable traffic parameters included in the ATM traffic descriptor information element, and acceptable traffic parameters included in the alternative ATM traffic descriptor information element,
- accept the message (resulting in sending a SETUP message including both the ATM traffic descriptor information element and the alternative ATM traffic descriptor information element) and enters N1.

NEGN_01_06

Ensure that the IUT in N0, on receipt of a SETUP message, with acceptable traffic parameters included in the ATM traffic descriptor information element, and unacceptable traffic parameters included in the alternative ATM traffic descriptor information element,
- accept the message (resulting in sending a SETUP message including only the ATM traffic descriptor information element) and enters N1.

NEGN_01_07

Ensure that the IUT in N0, on receipt of a SETUP message, with unacceptable traffic parameters included in the ATM traffic descriptor information element, and unacceptable traffic parameters included in the minimum acceptable ATM traffic descriptor information element,
- sends a RELEASE COMPLETE message with a cause information element indicating a cause value 37 "user cell rate unavailable" and remains in N0.

NEGN_01_08

Ensure that the IUT in N0, on receipt of a SETUP message, with unacceptable traffic parameters included in the ATM traffic descriptor information element, and unacceptable traffic parameters included in the alternative ATM traffic descriptor information element,
- sends a RELEASE COMPLETE message with a cause information element indicating a cause value 37 "user cell rate unavailable" and remains in N0.

NEGN_01_09

Ensure that the IUT in N0, on receipt of a SETUP message, with unacceptable traffic parameters included in the ATM traffic descriptor information element, and traffic parameters included in the minimum acceptable ATM traffic descriptor information element such, that the IUT is able to provide traffic rates between the two set of values,
- accept the message (resulting in sending a SETUP message including the ATM traffic descriptor information element with the adapted traffic parameters) and a minimum acceptable ATM traffic descriptor information element with traffic parameters which are still less than the corresponding parameter in the modified ATM traffic descriptor information element and enters N1.

NEGN_01_10

Ensure that the IUT in N0, on receipt of a SETUP message, with unacceptable traffic parameters included in the ATM traffic descriptor information element, and traffic parameters included in the minimum acceptable ATM traffic descriptor information element, which are the highest values the IUT is able to support,
- accept the message (resulting in sending a SETUP message including the ATM traffic descriptor information element containing traffic parameters, values of modified ones equal to traffic parameter values in the received minimum acceptable ATM traffic descriptor information element) and enters N1.

NEGN_01_11

Ensure that the IUT in N0, on receipt of a SETUP message, with unacceptable traffic parameters included in the ATM traffic descriptor information element, and acceptable traffic parameters included in the alternative ATM traffic descriptor information element,
- accept the message (resulting in sending a SETUP message including the ATM traffic descriptor information element with the adapted traffic parameters) and enters N1.

NEGN_01_12

Ensure that the IUT in N0, on receipt of a SETUP message, with an acceptable ATM traffic descriptor information element and an alternative ATM traffic descriptor information element (IE_flag = 0) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends a RELEASE COMPLETE message with a cause information element indicating a cause value 100 "invalid information element contents" and remains in N0.

NEGN_01_13

Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and an alternative ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard IE, proceed and report status) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- discards the alternative ATM traffic descriptor information element (sends a SETUP at the remote interface with ATM traffic descriptor information element including original traffic parameter values only), sends a STATUS message (cause value = 100, call state value = 1) and enters N1.

NEGN_01_14
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and an alternative ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and ignore) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends no message and remains in N0.

NEGN_01_15
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and an alternative ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and report status) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends a STATUS message (cause value = 100, call state value = 0) and remains in N0.

NEGN_01_16
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and a minimum acceptable ATM traffic descriptor information element (IE_flag = 0) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends a RELEASE COMPLETE message with a cause information element indicating a cause value 100 "invalid information element contents" and remains in N0.

NEGN_01_17
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and a minimum acceptable ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard IE, proceed and report status) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- discards the minimum acceptable ATM traffic descriptor information element (sends a SETUP at the remote interface with ATM traffic descriptor information element including original traffic parameter values only), sends a STATUS message (cause value = 100, call state value = 1) and enters N1.

NEGN_01_18
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and a minimum acceptable ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and ignore) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends no message and remains in N0.

NEGN_01_19
Ensure that the IUT in N0, on receipt of a SETUP message, with an ATM traffic descriptor information element and a minimum acceptable ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and report status) containing traffic parameters increased compared to those in the ATM traffic descriptor information element,
- sends a STATUS message (cause value = 100, call state value = 0) and remains in N0."

NEGN_01_20
Ensure that the IUT in N4, on receipt of an ADD PARTY message when the SETUP message previously contained an ATM traffic descriptor information element and a minimum acceptable ATM traffic descriptor information element,
- sends an ADD PARTY REJECT message with a cause information element indicating a cause value 111 "protocol error, unspecified" and remains in N4.

    Selection: IUT supports point-to-multipoint connection procedures

NEGN_01_21
Ensure that the IUT in N4, on receipt of an ADD PARTY message when the SETUP message previously contained an ATM traffic descriptor information element and an alternative ATM traffic descriptor information element,
- sends an ADD PARTY REJECT message with a cause information element indicating a cause value 111 "protocol error, unspecified" and remains in N4.

    Selection: IUT supports point-to-multipoint connection procedures

5.2.1.1.2   Negotiation acceptance (02)

Test purposes for EN 301 067-1 [1] subclause 9.1.3.

NEGN_02_01
Ensure that the IUT in N3, to indicate that the remote user has answered the call, with acceptable traffic parameters included in the ATM traffic descriptor information element,
- sends a CONNECT message including the ATM traffic descriptor information element, and enters N10.

NEGN_02_02

Ensure that the IUT in N4, to indicate that the remote user has answered the call, with acceptable traffic parameters included in the ATM traffic descriptor information element,

- sends a CONNECT message including the ATM traffic descriptor information element, and enters N10.

NEGN_02_03

Ensure that the IUT in N3, when the SETUP message contained a minimum acceptable ATM traffic descriptor information element and the remote user has answered the call without the ATM traffic descriptor information element,

- sends a CONNECT message with an ATM traffic descriptor information element, including the same set and values of traffic parameters as it was in the ATM traffic descriptor information element of the SETUP message, and enters N10.

NEGN_02_04

Ensure that the IUT in N4, when the SETUP message contained a minimum acceptable ATM traffic descriptor information element and the remote user has answered the call without the ATM traffic descriptor information element,

- sends a CONNECT message with an ATM traffic descriptor information element, including the same set and values of traffic parameters as it was in the ATM traffic descriptor information element of the SETUP message, and enters N10.

NEGN_02_05

Ensure that the IUT in N3, when the SETUP message contained an alternative ATM traffic descriptor information element and the remote user has answered the call without the ATM traffic descriptor information element,

- sends a CONNECT message with an ATM traffic descriptor information element, including the same set and values of traffic parameters as it was in the ATM traffic descriptor information element of the SETUP message, and enters N10.

NEGN_02_06

Ensure that the IUT in N4, when the SETUP message contained an alternative ATM traffic descriptor information element and the remote user has answered the call without the ATM traffic descriptor information element,

- sends a CONNECT message with an ATM traffic descriptor information element, including the same set and values of traffic parameters as it was in the ATM traffic descriptor information element of the SETUP message, and enters N10.

NEGN_04_07

Ensure that the IUT in N7, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 0) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,

- sends a STATUS message (cause value = 100, call state value = 7) and remains in N7.

NEGN_04_08

Ensure that the IUT in N7, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard IE, proceed and report status) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,

- discards the IE (sends a CONNECT message with a correct ATM traffic description IE at the remote interface), sends a STATUS message (cause value = 100, call state value = 8), sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_09

Ensure that the IUT in N7, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and ignore) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,

- sends no message and remains in N7.

NEGN_04_10

Ensure that the IUT in N7, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and report status) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,

- sends a STATUS message (cause value = 100, call state value = 7) and remains in N7.

NEGN_04_11
Ensure that the IUT in N9, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 0) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,
- sends a STATUS message (cause value = 100, call state value = 9) and remains in N9.

NEGN_04_12
Ensure that the IUT in N9, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard IE, proceed and report status) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,
- discards the IE (sends a CONNECT message with a correct ATM traffic description IE at the remote interface), sends a STATUS message (cause value = 100, call state value = 8), sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_13
Ensure that the IUT in N9, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and ignore) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,
- sends no message and remains in N9.

NEGN_04_14
Ensure that the IUT in N9, on receipt of a CONNECT message with an ATM traffic descriptor information element (IE_flag = 1, IE_AI = discard message and report status) including a different set of parameters as contained in the ATM traffic descriptor information element of the SETUP message,
- sends a STATUS message (cause value = 100, call state value = 9) and remains in N9.

5.2.1.2   Negotiating the traffic parameters at the destination interface

Test purposes for EN 301 067-1 [1] subclause 9.2.

5.2.1.2.1   Negotiation request (03)

Test purposes for EN 301 067-1 [1] subclause 9.2.1.

NEGN_03_01
Ensure that the IUT in N0, to indicate the arrival of a call with negotiation of the traffic parameters (including an acceptable ATM traffic descriptor information element, and an acceptable minimum acceptable ATM traffic descriptor information element),
- sends a SETUP message with both the ATM traffic descriptor information element and the minimum acceptable ATM descriptor information element included and enters N6.

NEGN_03_02
Ensure that the IUT in N0, to indicate the arrival of a call with negotiation of the traffic parameters (including an acceptable ATM traffic descriptor information element, and an acceptable alternative ATM traffic descriptor information element),
- sends a SETUP message with both the ATM traffic descriptor information element and the alternative ATM descriptor information element included and enters N6.

5.2.1.2.2   Negotiation confirmation (04)

Test purposes for EN 301 067-1 [1] subclause 9.2.3.

NEGN_04_01
Ensure that the IUT in N9 (having sent a SETUP message with the alternative ATM traffic descriptor information element), on receipt of a CONNECT message including an acceptable ATM traffic descriptor information element,
- sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_02
Ensure that the IUT in N9 (having sent a SETUP message with the alternative ATM traffic descriptor information element), on receipt of a CONNECT message without ATM traffic descriptor information element included,
- sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_03

Ensure that the IUT in N7 (having sent a SETUP message with the alternative ATM traffic descriptor information element), on receipt of a CONNECT message including an acceptable ATM traffic descriptor information element,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_04

Ensure that the IUT in N7 (having sent a SETUP message with the alternative ATM traffic descriptor information element), on receipt of a CONNECT message without ATM traffic descriptor information element included,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_05

Ensure that the IUT in N9 (having sent a SETUP message with the minimum acceptable ATM traffic descriptor information element), on receipt of a CONNECT message including an acceptable ATM traffic descriptor information element,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_06

Ensure that the IUT in N9 (having sent a SETUP message with the minimum acceptable ATM traffic descriptor information element), on receipt of a CONNECT message without ATM traffic descriptor information element included,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_07

Ensure that the IUT in N7 (having sent a SETUP message the minimum acceptable ATM traffic descriptor information element), on receipt of a CONNECT message including an acceptable ATM traffic descriptor information element,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

NEGN_04_08

Ensure that the IUT in N7 (having sent a SETUP message with the minimum acceptable ATM traffic descriptor information element), on receipt of a CONNECT message without ATM traffic descriptor information element included,
-   sends a CONNECT ACKNOWLEDGE message and enters N10.

6 Compliance

An ATS which complies with this TSS&TP specification shall:

a)   consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 5;

b)   use a TSS which is an appropriate subset of the whole of the TSS specified in clause 4;

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

d)   maintain the relationship specified in clause 5 between the test groups and TPs and the entries in the PICS proforma to be used for test case deselection;

e)   comply with ISO/IEC 9646-2 [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 network equipment claiming conformance to EN 301 067-1 [1].

History

Document history				
V1.1.1	December 1998	Public Enquiry	PE 9917:	1998-12-25 to 1999-04-23
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