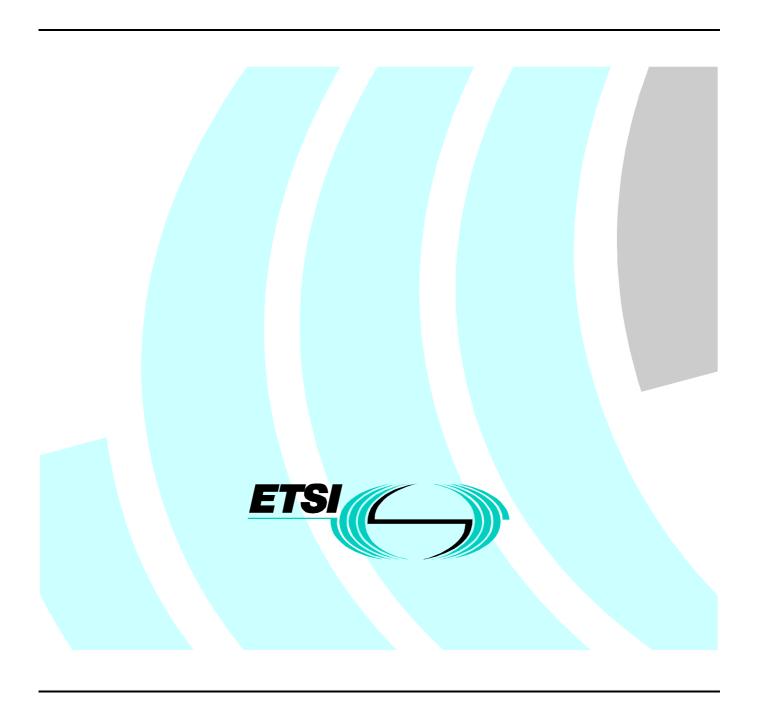
Draft EN 301 003-3 V1.1.1 (1998-12)

European Standard (Telecommunications series)

Broadband Integrated Services Digital Network (B-ISDN);
Digital Subscriber Signalling System No. two (DSS2) protocol;
Connection characteristics;
Peak cell rate modification by the connection owner;
Part 3: Test Suite Structure and Test Purposes (TSS&TP)
specification for the user



Reference

DEN/SPS-05152-3 (9acr0ico.PDF)

Keywords

B-ISDN, DSS2, ISDN, CELL, TSS&TP, user, UNI, broadband

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS), 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 standard covering the Digital Subscriber Signalling System No. 2 (DSS2) protocol specification for the B-ISDN Peak cell rate modification by the connection owner, as described below.

- Part 1: "Protocol specification [ITU-T Recommendation Q.2963.1 (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 Implementation 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".

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

This third part of EN 301 003 specifies the user 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 Peak cell rate modification by the connection owner of the Digital Subscriber Signalling System No. 2 (DSS2) protocol for the pan-European Broadband Integrated Services Digital Network (B-ISDN), EN 301 003-1 [3].

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] ETS 300 406: "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [2] EN 300 443-1 (V1.3): "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]".
- [3] EN 301 003-1 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Peak cell rate modification by the connection owner; Part 1: Protocol specification [ITU-T Recommendation Q.2963-1 (1996), modified]".
- [4] EN 301 003-2 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Peak cell rate modification by the connection owner; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [5] ITU-T Recommendation I.413 (1993): "B-ISDN user-network interface".
- [6] ISO/IEC 9646-1: "Information Technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General concepts".
- [7] ISO/IEC 9646-2: "Information Technology Open Systems Interconnection Conformance testing methodology and framework Part 2: Abstract Test Suite specification".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following definitions apply, in addition to those given in EN 301 003-1 [3] and EN 300 443-1 [2]:

3.1.1 Definitions related to conformance testing

Abstract test case: Refer to ISO/IEC 9646-1 [6].

Abstract Test Method (ATM): Refer to ISO/IEC 9646-1 [6].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [6].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [6].

Lower tester: Refer to ISO/IEC 9646-1 [6].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [6].

PICS proforma: Refer to ISO/IEC 9646-1 [6].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [6].

PIXIT proforma: Refer to ISO/IEC 9646-1 [6].

Test Purpose (TP): Refer to ISO/IEC 9646-1 [6].

3.1.2 Definitions related to EN 301 003-1

user: The 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): The 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): The 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 CR Call Reference

IE_AI Information element action indicator

IUT Implementation Under Test

PCR Peak Cell Rate

PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing

TP Test Purpose
TSS Test Suite Structure
U0 Null link state

U1 Call Initiated link state

U3 Outgoing Call Proceeding link state

U4 Call Delivered link state

U6	Call Present link state
U7	Call Received link state
U8	Connect Request link state
U9	Incoming Call Proceeding link state
U10	Active link state
U12	Disconnect Indication call state
U13	Modify Requested call state

4 Test Suite Structure (TSS)

- Signalling procedures at the coincident S_B/T_B and at the T_B reference points
 - Modification procedures at the requesting entity.
 - Modification procedures at the responding entity.

 - Timers(06)

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:	<sui< th=""><th></th></sui<>		
<suite_id></suite_id>	=	layer + type of IUT:	"MODU" for MOD ification, IUT = User
<group></group>	=	group number:	two character field representing the group reference according to TSS
<nn></nn>	=	sequential number:	(01-99)

5.1.2 Source of TP definition

The TPs are based on EN 301 003-1 [3].

5.1.3 Test strategy

As the base standard EN 301 003-1 [3] 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 301 003-2 [4].

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 [1]).

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 [2]. 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 Peak cell rate modification, user

All PICS items referred to in this subclause are as specified in EN 301 003-2 [4] 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

NOTE: Unless otherwise specified, the connection defined by the requested ATM traffic descriptor is available for use.

5.2.1.1 Modification procedures at the requesting entity.

Test purposes for EN 301 003-1 [3] subclause 9.1.

Selection: The IUT support the requirements for the modification requesting entity. PICS: R 2.1

5.2.1.1.1 Valid behaviour (01)

MODU 01 01

Ensure that the IUT in U10, in order to initiate a PCR modification request, sends a MODIFY REQUEST message and enters U13.

MODU 01 02

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message including a Broadband report type information element indicating "modification confirmation",

sends a CONNECTION AVAILABLE message and enters U10.

MODU_01_03

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message without Broadband report type information element (or not indicating "modification confirmation"),

sends no message and enters U10.

MODU 01 04

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message, sends no message and enters U10.

MODU 01 05

Ensure that the IUT in U13, on receipt of a STATUS message (call state: 10, cause value: 97 or 101, diagnostic indicating "modify request not understood"),

sends no message and enters U10.

MODU 01 06

Ensure that the IUT in U13, on receipt of a STATUS message (call state: 10, cause value: 97 or 101, without diagnostic indicating "modify request not understood"),

sends a STATUS ENQUIRY message and enters U10.

MODU 01 07

Ensure that the IUT in U13, (having sent a STATUS ENQUIRY message), on receipt of a STATUS message (call state: 14),

sends no message and remains in U13.

MODU 01 08

Ensure that the IUT in U13, (having sent a STATUS ENQUIRY message), on receipt of a STATUS message (call state: 10),

sends no message and enters U10.

5.2.1.1.2 Timers (02)

MODU 02 01

Ensure that the IUT in U13, on expiry of timer T360,

sends a RELEASE message (cause value: 102) and enters U11.

5.2.1.1.3 Handling of error conditions (03)

MODU 03 01

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with a protocol discriminator other than '09'O,

sends no message and remains in U13.

MODU 03 02

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unused Call Reference (CR), sends a RELEASE COMPLETE message (CR of the MODIFY ACKNOWLEDGE message, cause value: 81) and remains in U13.

MODU 03 03

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with a non mandatory IE content error (Broadband report type; IE_flag = 0,),

sends a STATUS message (cause value: 100, call state: 10) and enters U10.

MODU 03 04

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with a non mandatory IE content error (Broadband report type, IE_flag = 1, IE_AI = clear call),

sends a RELEASE message (cause value: 100) and enters U11.

MODU 03 05

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with a non mandatory IE content error (Broadband report type, IE_flag = 1, IE_AI = discard and report),

sends a STATUS message (cause value: 100, call state: 13) and remains in U13.

MODU 03 06

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content (IE_flag = 0,),

sends a STATUS message (cause value: 99, call state: 10) and enters in U10.

MODU 03 07

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content (IE_flag = 1, IE_AI = clear call),

sends a RELEASE message (cause value: 99) and enters U11.

MODU_03_08

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content (IE_flag = 1, IE_AI = discard and report),

sends a STATUS message (cause value: 99, call state: 13) and remains in U13.

MODU 03 09

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content(IE_flag = 1, IE_AI = discard and ignore),

sends no message and remains in U13.

MODU 03 10

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content (IE_flag = 1, IE_AI = discard IE, proceed and report),

sends a STATUS message (cause :99, call state: 10), and enters U10.

MODU 03 11

Ensure that the IUT in U13, on receipt of a MODIFY ACKNOWLEDGE message with an unrecognized IE content ($IE_flag = 1$, $IE_AI = discard IE$, and proceed),

sends no message and enters U10.

MODU 03 12

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with a protocol discriminator other than '09'O, sends no message and remains in U13.

MODU 03 13

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with an unused CR,

sends a RELEASE COMPLETE message (CR of the MODIFY REJECT message, cause value: 81) and remains in U13.

MODU_03_14

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with a mandatory IE content error (Cause IE, IE flag = 0).

sends a STATUS message (cause value: 100, call state: 13) and remains in U13.

MODU_03_15

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with a mandatory IE missing (Cause IE), sends a STATUS message (cause value: 96, call state: 13) and remains in U13.

MODU 03 16

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with a mandatory IE content error (Cause IE; $IE_flag = 1$, $IE_AI = clear call$),

sends a RELEASE message (cause value : 100) and enters U11.

MODU 03 17

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with a mandatory IE content error (Cause IE; IE_flag = 1, IE_AI = discard and report),

sends a STATUS message (cause value: 100, call state: 13) and remains in U13.

MODU 03 18

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with an unrecognized IE content (IE_flag = 0), sends a STATUS message (cause value: 99, call state: 10) and enters U10.

MODU_03_19

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with an unrecognized IE content (IE_flag = 1, IE_AI = clear call),

sends a RELEASE message (cause value: 99) and enters U11.

MODU 03 20

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with an unrecognized IE content (IE_flag = 1, IE_AI = discard and report),

sends a STATUS message (cause value: 99, call state: 13) and remains in U13.

MODU 03 21

Ensure that the IUT in U13, on receipt of a MODIFY REJECT message with an unrecognized IE content(IE_flag = 1, IE_AI = discard and ignore),

sends no message and remains in U13.

MODU 03 22

Ensure that the IUT in U10, for an outgoing call, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = clear call),

sends a RELEASE message (cause:97 or 101) and enters U11.

MODU 03 23

Ensure that the IUT in U10, for an outgoing call, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = discard and ignore),

sends no message and remains in U10.

5.2.1.2 Modification procedures at the responding entity

Test purposes for EN 301 003-1 [3] subclause 9.2.

Selection: The iut support the requirements for the modification requesting entity. PICS: R 2.2

5.2.1.2.1 Valid behaviour (04)

MODU 04 01

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with an incompatible combination of parameters in the ATM traffic descriptor information element,

sends a MODIFY REJECT message (cause value: 73) and re-enters U10.

MODU 04 02

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with compatible parameters in the ATM traffic descriptor information element,

sends a MODIFY ACKNOWLEDGE message and re-enters U10.

MODU 04 03

Ensure that the IUT in U10, having sent a MODIFY ACKNOWLEDGE message including a Broadband report type information element requesting confirmation, on receipt of a CONNECTION AVAILABLE message, sends no message and remains in U10.

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5.2.1.2.2 Timers (05)

MODU 05 01

Ensure that the IUT in U10, having sent a MODIFY ACKNOWLEDGE message including a Broadband report type information element requesting confirmation, on expiry of timer T361,

sends no message and remains in U10.

5.2.1.2.3 Handling of error conditions (06)

MODU 06 01

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a protocol discriminator other than '09'O.

sends no message and remains in U10.

MODU 06 02

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with an unused CR,

sends a RELEASE COMPLETE message (CR of the MODIFY REQUEST message, cause value: 81) and remains in U10.

MODU 06 03

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE, IE_flag = 0),

sends a STATUS message (cause value: 100, call state: 10) and remains in U10.

MODU_06_04

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE missing (ATM traffic descriptor IE),

sends a STATUS message (cause value: 96, call state: 10) and remains in U10.

MODU 06 05

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; IE_flag = 0),

sends a STATUS message (cause value: 100, call state: 10) and remains in U10.

MODU 06 06

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; IE_flag = 1, IE_AI = clear call),

sends a RELEASE message (cause value: 100) and enters U11.

MODU 06 07

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; $IE_flag = 1$, $IE_AI = discard$ and report),

sends a STATUS message (cause value: 100, call state: 10) and remains in U10.

MODU 06 08

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; $IE_flag = 1$, $IE_AI = discard$ and ignore),

sends no message and remains in U10.

MODU 06 09

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; IE_flag = 1, IE_AI = discard, proceed and report),

sends successively a STATUS message (cause: 100, call state: 14,10), and a MODIFY ACKNOWLEDGE message or a MODIFY REJECT message and enters in U10.

MODU 06 10

Ensure that the IUT in U10, on receipt of a MODIFY REQUEST message with a mandatory IE content error (ATM traffic descriptor IE; $IE_flag = 1$, $IE_AI = discard$, and proceed),

sends a MODIFY ACKNOWLEDGE message or a MODIFY REJECT message and remains in U10.

MODU_06_11

Ensure that the IUT in U0, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a RELEASE COMPLETE message (cause: 81) and remains in U0.

$MODU_06_12$

Ensure that the IUT in U1, on receipt of a MODIFY REQUEST message(MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U1.

MODU_06_13

Ensure that the IUT in U3, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U3.

MODU 06 14

Ensure that the IUT in U4, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U4.

MODU_06_15

Ensure that the IUT in U6, on receipt of a MODIFY REQUEST message, (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U6.

MODU_06_16

Ensure that the IUT in U7, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U7.

MODU 06 17

Ensure that the IUT in U8, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U8.

MODU 06 18

Ensure that the IUT in U9, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U9.

MODU 06 19

Ensure that the IUT in U11, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U11.

MODU_06_20

Ensure that the IUT in U12, on receipt of a MODIFY REQUEST message (MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U12.

MODU 06 21

Ensure that the IUT in U10, for an outgoing call, on receipt of a MODIFY REQUEST message(MSG_flag = 0), sends a STATUS message (cause: 97 or 101) and remains in U10.

MODU_06_22

Ensure that the IUT in U0, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends a RELEASE COMPLETE message (cause: 81) and remains in U0.

MODU_06_23

Ensure that the IUT in U1, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU_06_24

Ensure that the IUT in U3, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU 06 25

Ensure that the IUT in U4, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU_06_26

Ensure that the IUT in U6, on receipt of a MODIFY REQUEST message, (MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 9 7 or 101) and enters U11.

MODU_06_27

Ensure that the IUT in U7, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU_06_28

Ensure that the IUT in U8, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU_06_29

Ensure that the IUT in U9, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = clear call), sends a RELEASE message (cause: 97 or 101) and enters U11.

MODU 06 30

Ensure that the IUT in U11, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends no message and remains in U11.

$MODU_06_31$

Ensure that the IUT in U12, on receipt of a MODIFY REQUEST message (MSG_flag = 1; MSG_AI = clear call), sends no message and remains in U12.

MODU 06 32

Ensure that the IUT in U7, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = discard and ignore).

sends no message and remains in U7.

MODU_06_33

Ensure that the IUT in U7, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = discard and report status),

sends a STATUS message (cause: 97 or 101) and remains in U7.

MODU_06_34

Ensure that the IUT in U7, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = reserved), sends a STATUS message (cause: 97 or 101) and remains in U7.

MODU 06 35

Ensure that the IUT in U9, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = discard and ignore),

sends no message and remains in U9.

MODU 06 36

Ensure that the IUT in U9, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = discard and report status).

sends a STATUS message (cause: 97 or 101) and remains in U9.

MODU_06_37

Ensure that the IUT in U9, on receipt of a MODIFY REQUEST message(MSG_flag = 1; MSG_AI = reserved), sends a STATUS message (cause: 97 or 101) and remains in U9.

MODU_06_38

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with a protocol discriminator other than '09'O.

sends no message and remains in U10.

MODU 06 39

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with a unused CR, sends a RELEASE COMPLETE message (CR of the CONNECTION AVAILABLE message, cause value: 81) and remains in U10.

MODU 06 40

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with an unrecognized IE content (IE_flag = 1, IE_AI = clear call),

sends a RELEASE message (cause value: 99) and enters U11.

MODU 06 41

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with an unrecognized IE content ($IE_flag = 1$, $IE_AI = discard$ and report),

sends a STATUS message (cause value: 99, call state: 10) and remains in U10.

MODU 06 42

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with an unrecognized IE content ($IE_flag = 1$, $IE_AI = discard$ and ignore),

sends no message and remains in U10.

MODU 06 43

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with an unrecognized IE content (IE_flag = 1, IE_AI = discard IE, proceed and report),

sends a STATUS message (cause: 99, call state: 10), and remains in U10.

MODU 06 44

Ensure that the IUT in U10, on receipt of a CONNECTION AVAILABLE message with an unrecognized IE content (IE_flag = 1, IE_AI = discard IE, and proceed),

sends no message and remains in 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 [7].

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 [7], shall be used by any organization claiming to provide a comprehensive testing service for network equipment claiming conformance to EN 301 003-1 [3].

Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

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

History

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