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**Integrated Services Digital Network (ISDN);
Explicit Call Transfer (ECT) supplementary service;
Digital Subscriber Signalling System No. one (DSS1) protocol;
Part 5: Test Suite Structure and Test Purposes (TSS&TP)
specification for the network**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 5 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Explicit Call Transfer (ECT) supplementary service, as described below:

Part 1: "Protocol specification";

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: "TSS&TP specification for the network";

Part 6: "ATS and partial PIXIT proforma specification for the network".

Transposition dates	
Date of adoption of this ETS:	4 October 1996
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1 Scope

This fifth part of ETS 300 369 specifies the Test Suite Structure and Test Purposes (TSS&TP) for the Network side of the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [7]) of implementations conforming to the stage three standard for the Explicit Call Transfer (ECT) supplementary service for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, ETS 300 369-1 [1].

A further part of this ETS specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on this ETS. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the User side of the T reference point or coincident S and T reference point of implementations conforming to ETS 300 369-1 [1].

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 369-1 (1995): "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [2] ETS 300 369-2 (1996): "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [3] ISO/IEC 9646-1: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 1: General Concepts".
- [4] ISO/IEC 9646-2: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 2: Abstract Test Suite specification".
- [5] ISO/IEC 9646-3: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 3: The Tree and Tabular Combined Notation".
- [6] ETS 300 196-1 (1993): "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [7] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".
- [8] ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".
- [9] ITU-T Recommendation I.112 (1993): "Vocabulary and terms for ISDNs".
- [10] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".
- [11] ITU-T Recommendation I.210 (1993): "Principles of the telecommunication services supported by an ISDN and the means to describe them".

3 Definitions

For the purposes of this ETS, the following definitions apply:

3.1 Definitions related to conformance testing

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

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

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [3].

implicit send event: Refer to ISO/IEC 9646-3 [5].

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

point of control and observation: 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].

system under test: Refer to ISO/IEC 9646-1 [3].

Test Purpose: Refer to ISO/IEC 9646-1 [3].

3.2 Definitions related to ETS 300 369-1

Call Held auxiliary state: See ETS 300 196-1 [6], subclause 7.1.2.

Call Reference (CR): See ETS 300 102-1 [8], subclause 4.3.

component: See ETS 300 196-1 [6], subclause 11.2.2.1.

Idle auxiliary state: See ETS 300 196-1 [6], subclause 7.1.2.

Integrated Services Digital Network (ISDN): See ITU-T Recommendation I.112 [9], definition 308.

ISDN number: A number conforming to the numbering and structure specified in CCITT Recommendation E.164 [10].

invoke component: See ETS 300 196-1 [6], subclause 11.2.2.1.

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

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

network (T): The DSS1 protocol entity at the Network side of the user-network interface where a T reference point applies (Network connected to Private ISDN).

return error component: See ETS 300 196-1 [6], subclause 11.2.2.1.

return result component: See ETS 300 196-1 [6], subclause 11.2.2.1.

served user: The served user is the user who invokes the ECT supplementary service.

service; telecommunication service: See ITU-T Recommendation I.112 [9], definition 201.

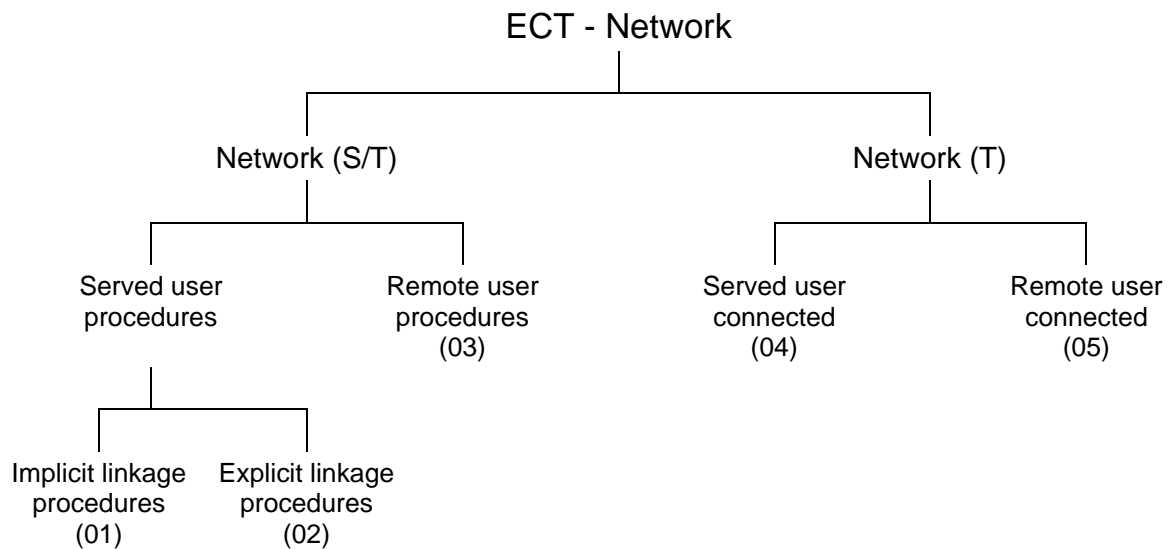
supplementary service: See ITU-T Recommendation I.210 [11], subclause 2.4.

4 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

(Held)	Call Held auxiliary state
(Idle)	Idle auxiliary state
ATM	Abstract Test Method
ATS	Abstract Test Suite
CR	Call Reference
CR1	CR for a call in the Call Held auxiliary state
CR2	CR for a call in the Idle auxiliary state
CR3	CR for a second call in the Idle auxiliary state
DSS1	Digital Subscriber Signalling System No. one
ECT	Explicit Call Transfer
ISDN	Integrated Services Digital Network
IUT	Implementation under test
N02	Overlap Sending call state
N03	Outgoing Call Proceeding call state
N04	Call Delivered call state
N06	Call Present call state
N07	Call Received call state
N09	Incoming Call Proceeding call state
N10	Active call state
N12	Disconnect Indication call state
N19	Release Request call state
N25	Overlap Receiving call state
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure
U07	Call Received call state (user)
U08	Connect Request call state (user)
U10	Active call state (user)

5 Test Suite Structure (TSS)



NOTE: Numbers in brackets represent group numbers and are used in TP identifiers.

Figure 1: Test suite structure

6 Test Purposes (TP)

6.1 Introduction

For each test requirement a TP is defined.

6.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

Identifier:	<ss>_<iut><group>_<nnn>		
<ss>	=	supplementary service: e.g. "ECT"	
<iut>	=	type of IUT:	U User N Network
<group>	=	group	2 digit field representing group reference according to TSS
<nnn>	=	sequential number	(001-999)

6.1.2 Source of TP definition

The TPs are based on ETS 300 369-1 [1].

6.1.3 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> <i>tab</i> <paragraph number in base ETS> <i>tab</i> <type of test> <i>tab</i> <condition> <i>CR.</i>	see table 1 subclause 0.0.0 valid, invalid, inopportune mandatory, optional, conditional
Stimulus	Ensure that the IUT in the <supplementary service state> and with CR1 in <basic call state> (<auxiliary state>) and with CR2 in <basic call state> (<auxiliary state>) and with CR3 in <basic call state> (<auxiliary state>) <trigger> <i>see below for message structure</i> <i>or <goal></i>	ECT Request state N10 (Idle), N10 (Held), etc. " " receiving a XXXX message to request a ...
Reaction	<action> <conditions> <i>if the action is sending</i> <i>see below for message structure</i> <next action>, <i>etc.</i> and enters <supplementary service state> <i>and/or</i> and remains in the same state(s) <i>or</i> and enters state <state> with CR<number(s)>	sends, saves, does, etc. using en-bloc sending, ...
Message structure	<message type> message containing a <i>a) <info element></i> <i>information element with</i> <i>b) a <field name></i> <i>encoded as or including</i> <i><coding of the field> and back to a or b,</i>	SETUP, FACILITY, CONNECT, ... Bearer capability, Facility, ...
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.	

6.1.4 Test strategy

As the base standard ETS 300 369-1 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETS 300 369-2 [2]. The criteria applied include the following:

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

6.2 Network TPs for ECT**6.2.1 Network (S/T)****6.2.1.1 Served user procedures****6.2.1.1.1 Implicit linkage procedures****ECT_N01_001 subclauses 9.2.1.1, 9.2.3 valid mandatory**

Ensure that the IUT in the ECT Idle state and with CR1 in state N10 (Held) and CR2 in state N10 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an EctExecute component,

- sends a DISCONNECT message with CR1 containing a Facility information element with a EctExecute return result component and enters state N12 (CR1);
- sends a DISCONNECT message with CR2 and enters state N12 (CR2);
- and remains in the same ECT state.

ECT_N01_002 subclauses 9.2.1.1, 9.2.3 valid optional

Ensure that the IUT in the ECT Idle state and with CR1 in state N04 (Held) and CR2 in state N10 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an EctExecute component,

- sends a DISCONNECT message with CR1 containing a Facility information element with a EctExecute return result component and enters state N12 (CR1);
- sends a DISCONNECT message with CR2 and enters state N12 (CR2);
- and remains in the same ECT state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_003 subclauses 9.2.1.1, 9.2.3 valid optional

Ensure that the IUT in the ECT Idle state and with CR1 in state N10 (Held) and CR2 in state N04 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an EctExecute component,

- sends a DISCONNECT message with CR1 containing a Facility information element with a EctExecute return result component and enters state N12 (CR1);
- sends a DISCONNECT message with CR2 and enters state N12 (CR2);
- and remains in the same ECT state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_004 subclause 9.2.1.2 inopportune mandatory

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is not subscribed to,

- responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.

ECT_N01_005 subclause 9.2.1.2 inopportune optional

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is not subscribed to,

- responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_006 subclause 9.2.1.2 inopportune optional

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is not subscribed to,

- responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_007 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

ECT_N01_008 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_009 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_010 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_011 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_012 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_018 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_019 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_020 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_021 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_022 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_023 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_024 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_026 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_013 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_014 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_015 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_016 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_017 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_018 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_019 **subclause 9.2.1.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_020 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR2 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_021 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_022 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_023 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_024 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_025 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_026 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_027 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_028 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N10 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

ECT_N01_029 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_030 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_031 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_032 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_033 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_034 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_035 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_036 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N04 (Held) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1 and CR2 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_037 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT, in the ECT Idle state with CR1 in call state N10 (Held), CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle), receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1, CR2 and CR3 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

Selection: IUT supports 3 or more calls one of which may be held.

ECT_N01_038 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT, in the ECT Idle state with CR1 in call state N10 (Held), CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle), receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1, CR2 and CR3 states.

Selection: IUT supports 3 or more calls one of which may be held.

ECT_N01_039 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT, in the ECT Idle state with CR1 in call state N04 (Held), CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle), receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

 responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1, CR2 and CR3 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

Selection: IUT supports 3 or more calls one of which may be held.

ECT_N01_040 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT, in the ECT Idle state with CR1 in call state N04 (Held), CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle), receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "invalidCallState" and remains in the same ECT, CR1, CR2 and CR3 states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

Selection: IUT supports 3 or more calls one of which may be held.

ECT_N01_041 **subclause 9.2.1.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is invoked when another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

ECT_N01_042 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is invoked when another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N01_043 **subclause 9.2.1.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctExecute component and the ECT supplementary service is invoked when another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an EctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

6.2.1.1.2 **Explicit linkage procedures**

Selection: IUT can handle at least 2 active non-held calls and at least one held call, all on the same data link connection.

Selection: IUT supports explicit linkage option. PICS: MC 8.

ECT_N02_001 **subclause 9.2.2.1.1** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and the request is accepted,

responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component including a LinkId value and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_002 **subclause 9.2.2.1.1** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and the request is accepted,

responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component including a LinkId value and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_003 **subclause 9.2.2.1.1** **valid** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and the request is accepted,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component including a LinkId value and remains in the same ECT and call states.

ECT_N02_004 **subclauses 9.2.2.2.1, 9.2.3** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with a previously assigned LinkId value,
 releases the LinkId value;
 sends a DISCONNECT message with CR1 containing a Facility information element with an ExplicitEctExecute return result component;
 sends a DISCONNECT message with CR2 ;
 and remains in the ECT and CR3 states and enters call state N12 with CR1 and CR2.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_005 **subclauses 9.2.2.2.1, 9.2.3** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with a previously assigned LinkId value,
 releases the LinkId value;
 sends a DISCONNECT message with CR1 containing a Facility information element with an ExplicitEctExecute return result component;
 sends a DISCONNECT message with CR2;
 and remains in the ECT and CR3 states and enters call state N12 with CR1 and CR2.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_006 **subclauses 9.2.2.2.1, 9.2.3** **valid** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a valid FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with a previously assigned LinkId value,
 releases the LinkId value;
 sends a DISCONNECT message with CR1 containing a Facility information element with an ExplicitEctExecute return result component;
 sends a DISCONNECT message with CR2;
 and remains in the ECT and CR3 states and enters call state N12 with CR1 and CR2.

ECT_N02_007 **subclause 9.2.2.1.2** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and where it is unable to allocate a LinkId,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return error component indicating "resourceUnavailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_008 **subclause 9.2.2.1.2** **valid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and where it is unable to allocate a LinkId,
 responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return error component indicating "resourceUnavailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_009 **subclause 9.2.2.1.2** **inopportune** **mandatory**
Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and where it is unable to allocate a LinkId, responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return error component indicating "resourceUnavailable" and remains in the same ECT and call states.

ECT_N02_010 **subclause 9.2.2.1.2** **valid** **optional**
Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and CR2 already has a LinkId allocated, responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component carrying the previously assigned LinkId value and remains in the same ECT and call states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_011 **subclause 9.2.2.1.2** **valid** **optional**
Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and CR2 already has a LinkId allocated, responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component carrying the previously assigned LinkId value and remains in the same ECT and call states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_012 **subclause 9.2.2.1.2** **valid** **optional**
Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest invoke component and CR2 already has a LinkId allocated, responds with a FACILITY message with CR2 containing a Facility information element with an EctLinkIdRequest return result component carrying the previously assigned LinkId value and remains in the same ECT and call states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_013 **subclause 9.2.2.2.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the ECT supplementary service is not subscribed to, responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_014 **subclause 9.2.2.2.2** **inopportune** **optional**
Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the ECT supplementary service is not subscribed to, responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.
Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_015 **subclause 9.2.2.2.2** **inopportune** **mandatory**
Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the ECT supplementary service is not subscribed to, responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notSubscribed" and remains in the same ECT and call states.

ECT_N02_016 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_017 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_018 **subclause 9.2.2.2.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network recognizes a looping condition,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

ECT_N02_019 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network cannot accept the transfer request due to internal network restrictions,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_020 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network cannot accept the transfer request due to internal network restrictions,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_021 **subclause 9.2.2.2.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component (with valid LinkId value) and the network cannot accept the request due to internal network restrictions,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "notAvailable" and remains in the same ECT and call states.

- ECT_N02_022** **subclause 9.2.2.2.2** **inopportune** **optional**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_023** **subclause 9.2.2.2.2** **inopportune** **mandatory**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_024** **subclause 9.2.2.2.2** **inopportune** **optional**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_025** **subclause 9.2.2.2.2** **inopportune** **mandatory**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_026** **subclause 9.2.2.2.2** **inopportune** **mandatory**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_027** **subclause 9.2.2.2.2** **inopportune** **optional**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_028** **subclause 9.2.2.2.2** **inopportune** **optional**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.
- ECT_N02_029** **subclause 9.2.2.2.2** **inopportune** **optional**
 Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N10 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,
 responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

ECT_N02_030 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N02 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_031 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N03 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

ECT_N02_032 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N06 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_033 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N07 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

ECT_N02_034 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N09 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_035 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N12 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_036 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N19 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_037 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR2 in call state N25 and CR1 in call state N04 (Idle) receiving a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR2 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_038 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in state N10 (Held) and CR2 in state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

ECT_N02_039 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in state N10 (Held) and CR2 in state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_040 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in state N10 (Held) and CR2 in state N10 (Idle) and CR3 in call state N04 (Idle) receiving a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_041 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in state N10 (Held) and CR2 in state N04 (Idle) and CR3 in call state N04 (Idle) receiving a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value,

responds with a FACILITY message with CR3 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_042 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Held) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value (and the call indicated by the LinkId (CR2) is not in a compatible state),

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

ECT_N02_043 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Held) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value (and the call indicated by the LinkId (CR2) is not in a compatible state),

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_044 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value (and the call indicated by the LinkId (CR2) is not in a compatible state),

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_045 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N04 (Held) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value (and the call indicated by the LinkId (CR2) is not in a compatible state),

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_046 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Held) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value (and the call indicated by the LinkId (CR2) is not in a compatible state),

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "invalidCallState" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_047 **subclause 9.2.2.2.2** **inopportune** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value and another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

ECT_N02_048 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value and another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_049 **subclause 9.2.2.2.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component with valid LinkId value and another service is already activated and this service interaction is not allowed,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "supplementaryServiceInteractionNotAllowed" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_050 **subclause 9.2.2.2.2** **invalid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N04 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component including a LinkId value which has not been assigned,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "LinkIdNotAssignedByNetwork" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N02_051 **subclause 9.2.2.2.2** **invalid** **mandatory**

Ensure that the IUT in the ECT Idle state with CR1 in call state N10 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component including a LinkId value which has not been assigned,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "LinkIdNotAssignedByNetwork" and remains in the same ECT and call states.

ECT_N02_052 **subclause 9.2.2.2.2** **invalid** **optional**

Ensure that the IUT in the ECT Idle state with CR1 in call state N04 (Held) and CR2 in call state N10 (Idle) and CR3 in call state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute invoke component including a LinkId value which has not been assigned,

responds with a FACILITY message with CR1 containing a Facility information element with an ExplicitEctExecute return error component indicating "LinkIdNotAssignedByNetwork" and remains in the same ECT and call states.

Selection: IUT supports ECT from state N04. PICS: MC 9.

6.2.1.2 Remote user procedures

ECT_N03_001 **subclause 9.2.4** **valid** **mandatory**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to another user in state U10; unrestricted number information of the user to which the call has been transferred to; and to request subaddress information,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "presentation allowed";

numbering plan identifier = "ISDN/telephony numbering plan" or "unknown";

type of number = "international number", "national number" or "unknown"; and

the ISDN number of the other remote user;

a Facility information element with a RequestSubaddress invoke component,

and remains in the same state.

ECT_N03_002 **subclause 9.2.4** **valid** **mandatory**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to another user in state U10; restricted number information of the user to which the call has been transferred to; and to request subaddress information,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "presentation restricted";

numbering plan identifier = "unknown";

type of number = "unknown"; and

no ISDN number;

a Facility information element with a RequestSubaddress invoke component,

and remains in the same state.

ECT_N03_003 **subclause 9.2.4** **valid** **mandatory**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to another user in state U10; information that number information of the user to which the call has been transferred to is not available; and to request subaddress information,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "number not available due to interworking";

numbering plan identifier = "unknown";

type of number = "unknown";

no ISDN number;

a Facility information element with a RequestSubaddress invoke component,

and remains in the same state.

ECT_N03_004 **subclause 9.2.4** **valid** **mandatory**

Ensure that the IUT in state N10, in order to convey subaddress information of another user,

sends a FACILITY message containing a Facility information element with a SubaddressTransfer invoke component including the subaddress of the other user and remains in the same state.

ECT_N03_005 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10, in order to convey the information that the call has been transferred to a user in state U07, and to request subaddress information,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, alerting";

a Facility information element with a RequestSubaddress invoke component;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_006 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N07 in order to convey the following: information that the call has been transferred to a user in state U10; unrestricted number information of the user to which the call has been transferred to,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "presentation allowed";

numbering plan identifier = "ISDN/telephony numbering plan" or "unknown";

type of number = "international number", "national number" or "unknown"; and

the ISDN number of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_007 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N07, in order to convey the following: information that the call has been transferred to a user in state U10; and restricted number information of the user to which the call has been transferred to,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "presentation restricted";

numbering plan identifier = "unknown";

type of number = "unknown"; and

no ISDN number

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_008 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N07 in order to convey the following: information that the call has been transferred to a user in state U10; and information that number information of the user to which the call has been transferred to is not available,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "number not available due to interworking";

numbering plan identifier = "unknown";

type of number = "unknown"; and

no ISDN number;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_009 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N07, in order to convey subaddress information of the other user,

sends a FACILITY message containing a Facility information element with a SubaddressTransfer invoke component including the subaddress of the other user and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_010 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to a user in state U08; unrestricted number information of the user to which the call has been transferred to; and subaddress information of the other user,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "presentation allowed";

numbering plan identifier = "ISDN/telephony numbering plan" or "unknown";

type of number = "international number", "national number" or "unknown"; and

the ISDN number of the other remote user;

a Facility information element with the SubaddressTransfer invoke component including the subaddress of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_011 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to a user in state U08; and restricted number information of the user to which the call has been transferred to; and subaddress information of the other user,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:
 presentation indicator = "presentation restricted";
 numbering plan identifier = "unknown";
 type of number = "unknown"; and
 no ISDN number;

a Facility information element with the SubaddressTransfer invoke component including the subaddress of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_012 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to a user in state U08; and unknown number information of the user to which the call has been transferred to; and subaddress information of the other user,

sends a FACILITY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:
 presentation indicator = "number not available due to interworking";
 numbering plan identifier = "unknown";
 type of number = "unknown"; and
 no ISDN number;

a Facility information element with the SubaddressTransfer invoke component including the subaddress of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_013 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to a user in state U08; and unrestricted number information of the user to which the call has been transferred to; and NO subaddress information of the other user,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:
 presentation indicator = "presentation allowed";
 numbering plan identifier = "ISDN/telephony numbering plan" or "unknown";
 type of number = "international number", "national number" or "unknown"; and
 the ISDN number of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_014 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10, in order to convey the following: information that the call has been transferred to a user in state U08; and restricted number information of the user to which the call has been transferred to; and NO subaddress information of the other user,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:
 presentation indicator = "presentation restricted";
 numbering plan identifier = "unknown";
 type of number = "unknown"; and
 no ISDN number;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N03_015 **subclause 9.2.5** **valid** **optional**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to a user in state U08; and unknown number information of the user to which the call has been transferred to; and NO subaddress information of the other user,

sends a NOTIFY message containing:

a Notification indicator information element coded as "call transferred, active";

a Redirection number information element containing:

presentation indicator = "number not available due to interworking";

numbering plan identifier = "unknown";

type of number = "unknown"; and

no ISDN number;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

6.2.2 **Network (T)****6.2.2.1** **Served user connected****ECT_N04_001** **subclause 10.3.1** **valid** **optional**

Ensure that the IUT in the ECT Idle state and with CR1 in state N10 (Held) and CR2 in state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctLoopTest invoke component and the IUT supports the loop checking for this particular call (CR1),

responds with a FACILITY message with CR1 containing a Facility information element with an EctLoopTest return result component.

Selection: IUT implements "the mechanism to avoid looping of uncontrolled circuits".
PICS: MC 11.

ECT_N04_002 **subclause 10.3.2** **inopportune** **optional**

Ensure that the IUT in the ECT Idle state and with CR1 in state N10 (Held) and CR2 in state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctLoopTest invoke component and the IUT does not support the loop checking for this particular call (CR1),

responds with a FACILITY message with CR1 containing a Facility information element with an EctLoopTest return error component indicating "notAvailable".

Selection: IUT implements "the mechanism to avoid looping of uncontrolled circuits".
PICS: MC 11.

ECT_N04_003 **subclause 10.3** **valid** **optional**

Ensure that the IUT in the ECT Idle state and with CR1 in state N10 (Held) and CR2 in state N10 (Idle) receiving a FACILITY message with CR1 containing a Facility information element with an EctLoopTest invoke component,

responds with a FACILITY message with CR1 containing a Facility information element with an EctLoopTest return result component;

or

responds with a FACILITY message with CR1 containing a Facility information element with an EctLoopTest return error component indicating "notAvailable".

Selection: IUT implements "the mechanism to avoid looping of uncontrolled circuits".
PICS: MC 11.

6.2.2.2 **Remote user connected****ECT_N05_001** **subclause 10.2.1** **valid** **optional**

Ensure that the IUT in state N10, with a separate call to another user also in state N10, where the IUT knows that the call is to a user connected to a private ISDN, before completion of call transfer,

sends a FACILITY message containing a Facility information element with a EctLoopTest invoke component and remains in the same state.

Selection: IUT implements "the mechanism to avoid looping of uncontrolled circuits".
PICS: MC 11.

ECT_N05_002 **subclause 10.2.1** **valid** **mandatory**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to another user in state U10; unrestricted number information of the user to which the call has been transferred to,

sends a FACILITY message containing:

a Facility information element with an EctInform invoke component indicating that the other call is "active" and including a redirectionNumber parameter indicating:

presentationAllowedNumber (presentation indicator = "presentation allowed");

PartyNumber = publicPartyNumber or unknownPartyNumber

(numbering plan identifier = "ISDN/telephony numbering plan" or "unknown");

PublicTypeOfNumber = internationalNumber, nationalNumber or unknown

(type of number = "international number", "national number" or "unknown");

and remains in the same state.

ECT_N05_003 **subclause 10.2.1** **valid** **mandatory**

Ensure that the IUT in state N10 in order to convey the subaddress information of the other user, that user being in state U10 before transfer of the call,

sends a FACILITY message containing a Facility information element with the SubaddressTransfer invoke component including the subaddress of the other remote user and remains in the same state.

ECT_N05_004 **subclause 10.2.1** **valid** **mandatory**

Ensure that the IUT in state N10, on completion of call transfer in order to convey the information that the call has been transferred to another user in state U07,

sends a FACILITY message containing a Facility information element with a EctInform invoke component indicating that the other call is "alerting" and including no redirectionNumber parameter and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N05_005 **subclause 10.2.1** **valid** **mandatory**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to a user in state U08; unrestricted number information and subaddress information of the user to which the call has been transferred to,

sends a FACILITY message containing:

a Facility information element with an EctInform invoke component indicating that the other call is now "active" and containing a redirectionNumber parameter indicating:

presentationAllowedNumber (presentation indicator = "presentation allowed");

PartyNumber = publicPartyNumber or unknownPartyNumber

(numbering plan identifier = "ISDN/telephony numbering plan" or "unknown");

PublicTypeOfNumber = internationalNumber, nationalNumber or unknown

(type of number = "international number", "national number" or "unknown");

a Facility information element with the SubaddressTransfer invoke component including the subaddress of the other remote user;

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

ECT_N05_006 **subclause 10.2.1** **valid** **mandatory**

Ensure that the IUT in state N10 in order to convey the following: information that the call has been transferred to a user in state U08; unrestricted number information of the user to which the call has been transferred to,

sends a FACILITY message containing:

a Facility information element with an EctInform invoke component indicating that the other call is now "active" and containing a redirectionNumber parameter indicating:

presentationAllowedNumber (presentation indicator = "presentation allowed");

PartyNumber = publicPartyNumber or unknownPartyNumber

(numbering plan identifier = "ISDN/telephony numbering plan" or "unknown");

PublicTypeOfNumber = internationalNumber, nationalNumber or unknown

(type of number = "international number", "national number" or "unknown");

and remains in the same state.

Selection: IUT supports ECT from state N04. PICS: MC 9.

7 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.

8 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 ETS 300 369-1 [1].

History

Document history			
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