EUROPEAN
TELECOMMUNICATION
STANDARD

FINAL DRAFT

pr **ETS 300 207-3**

August 1996

Source: ETSI TC-SPS

Reference: DE/SPS-05061-R-3

ICS: 33.080

Key words: ISDN, DSS1, supplementary service, diversion, testing, TSS&TP, user

Integrated Services Digital Network (ISDN);
Diversion supplementary services;
Digital Subscriber Signalling System No. one (DSS1) protocol;
Part 3: Test Suite Structure and Test Purposes (TSS&TP)
specification for the user

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

Contents

Blank page

Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

This ETS is part 3 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Diversion supplementary services, 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".

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

Blank page

1 Scope

This third part of ETS 300 207 specifies the Test Suite Structure and Test Purposes (TSS&TP) for the User 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 diversion supplementary services for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, ETS 300 207-1 [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 Network side of the T reference point or coincident S and T reference point of implementations conforming to ETS 300 207-1 [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 300 207-1 (1994): "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[2]	ETS 300 207-2: "Integrated Services Digital Network (ISDN); Diversion supplementary services; 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".
[12]	I-ETS 300 314: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for signalling network layer protocol for circuit-mode basic call control (basic access, user)".

[13]   I-ETS 300 315: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for signalling network layer protocol for circuit-mode basic call control (primary rate access, user)".

[14]   ETS 300 196-2 (1996): "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

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 (TP): Refer to ISO/IEC 9646-1 [3].

3.2   Definitions related to ETS 300 207-1

call reference: See ETS 300 102-1 [8], subclause 4.3.

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

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.

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 user who invokes the call diversion 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.

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

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

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

4 Abbreviations

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

ATM	Abstract Test Method
ATS	Abstract Test Suite
CD	Call Deflection
CFB	Call Forwarding Busy
CFNR	Call Forwarding No Reply
CFU	Call Forwarding Unconditional
DSS1	Digital Subscriber Signalling System No. one
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure
U00	Null call state
U03	Outgoing Call Proceeding call state
U04	Call Delivered call state
U07	Call Received call state
U08	Connect Request call state
U09	Incoming Call Proceeding call state
U10	Active call state
U25	Overlap Receiving call state

5 Test Suite Structure (TSS)
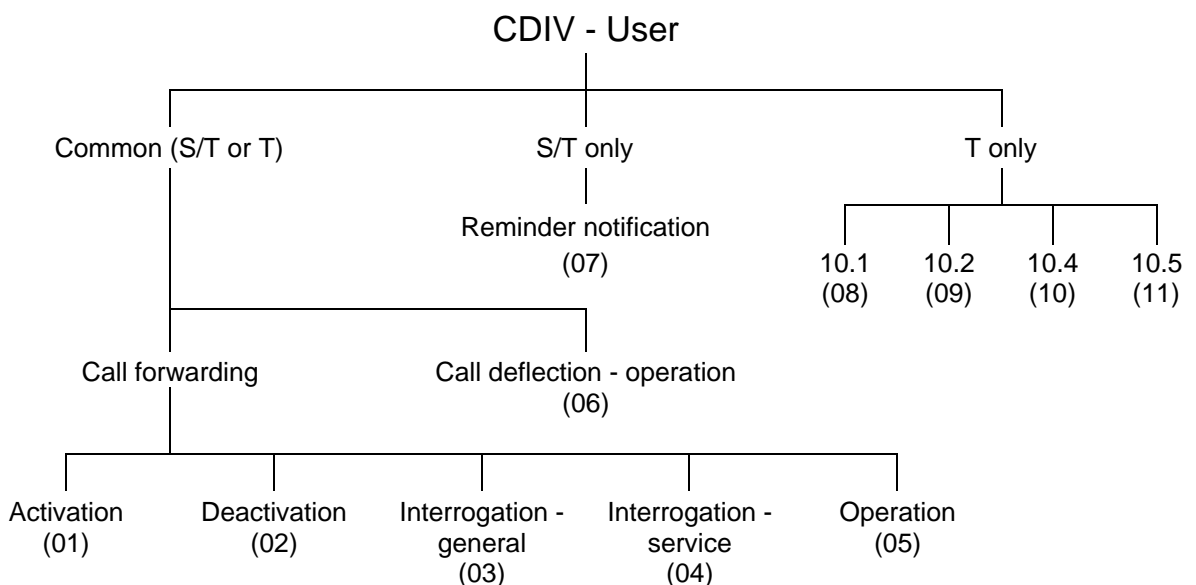
NOTE 1:   Numbers in brackets represent group numbers and are used in TP identifiers.
NOTE 2:   See ETS 300 207-1 [1] for titles of referenced subclauses (9.2.2 etc.).

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. "CDIV"
<iut>	=	type of IUT:	U User N Network
<group>	=	group	2 digit field representing group reference according to TSS
<service>		forwarding service	optional field designating CFNR, CFB or CFU
<nnn>	=	sequential number	(001-999)

6.1.2 Source of TP definition

The TPs are based on ETS 300 207-1 [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>** *tab* **\<paragraph number in base ETS>** *tab* **\<type of test>** *tab* **\<condition>** *CR.*	see table 1 **subclause 0.0.0** **valid, invalid, inopportune** **mandatory, optional, conditional**
Stimulus	Ensure that the IUT in \<basic call state> and in \<supplementary service state> \<trigger> *see below for message structure* *or* \<goal>	 U10 etc. CNFR Wait Deactivation state and receiving a XXXX message to request a ...
Reaction	\<action> \<conditions> *if the action is sending* *see below for message structure* \<next action>, *etc.* and enters \<supplementary service state> *and/or* and remains in the same call state(s) *or* and enters call state \<state>	sends, saves, does, etc. using en-bloc sending, ...
Message structure	\<message type> message containing a *a)* \<info element> information element with *b)* a \<field name> encoded as *or* including \<coding of the field> *and back to a or b,*	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 300 207-1 [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 300 207-2 [2]. The criteria applied included 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 User TPs for call diversion

6.2.1 Common S/T or T

Selection: IUT supports served user requirements. PICS: R 4.1.

NOTE: This subclause contains TPs for implementations which support coincident S and T reference point procedures and for implementations which support T reference point procedures. Thus this subclause contains TPs which are generally independent of the reference point configuration. Note, however, that there are a number of exceptions, and in these cases the selection expression attached to the TP gives a clear indication of which reference point configuration is appropriate.

6.2.1.1 Call forwarding

Selection: Call forwarding supported. PICS: R 1.1.

<service> = CFB or CFNR or CFU

NOTE: As a large amount of the protocol for CFB, CFNR and CFU is independent of which of the three services is supported, the TPs have mostly been written in a general way. This ensures consistent TPs and should help in the development of consistent test cases and in their maintenance. Each TP containing "<service>" will expand into three test cases - one for each of the three services.

6.2.1.1.1 Activation

CDIV_U01_<service>_001   subclause 9.1.1.1   valid   mandatory
Ensure that the IUT, in call state U00 in order to activate the call forwarding supplementary service <service>,
    sends a <service> ActivationDiversion invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the <service> Wait Activation state.

CDIV_U01_<service>_002   subclause 9.1.1.1   valid   mandatory
Ensure that the IUT, in U00 in order to reactivate the call forwarding supplementary service <service> successfully activated,
    sends a <service> ActivationDiversion invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the <service> Wait Activation state.

CDIV_U01_<service>_003   subclause 9.1.1.1   valid   mandatory
Ensure that the IUT, in U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return result component in the Facility information element of a FACILITY message using the dummy call reference,
    enters the <service> Idle state.

CDIV_U01_<service>_004   subclause 9.1.1.1   valid   optional
Ensure that the IUT, in call state U00 and in the <service> Idle state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
    accepts the provided information and does not respond and remains in the same states.
    Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U01_<service>_005   subclause 9.1.1.1   valid   optional
Ensure that the IUT, in U00 and in the <service> Activation Request state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
    accepts the provided information and does not respond and remains in the same states.
    Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U01_<service>_006 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_007 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "notAvailable" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_008 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "invalidServedUserNr" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_009 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "supplementaryServiceInteraction-NotAllowed" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_010 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "basicServiceNotProvided" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_011 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "resourceUnavailable" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_012 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "invalidDivertedToNr" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_013 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "specialServiceNr" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_014 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on receipt of a <service> ActivationDiversion return error component containing the error value "diversionToServedUserNr" in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U01_<service>_015 subclause 9.1.1.2 valid mandatory
Ensure that the IUT, in call state U00 while in the <service> Wait Activation state, on receipt of a FACILITY message using the dummy call reference with a Facility information element containing a reject component (resource-limitation),
sends no message and enters the <service> Idle state.

CDIV_U01_<service>_016   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Activation state, on expiry of timer
T-ACTIVATE,
      enters the <service> Idle state.

CDIV_U01_<service>_017   **subclause 9.1.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 in order to activate the call forwarding supplementary service
<service>,
      sends a <service> ActivationDiversion invoke component in the Facility information element of a
      FACILITY message using the dummy call reference and enters the <service> Wait Activation state.

CDIV_U01_<service>_018   **subclause 9.1.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 in order to reactivate the call forwarding supplementary service
<service> successfully activated,
      sends a <service> ActivationDiversion invoke component in the Facility information element of a
      FACILITY message using the dummy call reference and enters the <service> Wait Activation state.

CDIV_U01_<service>_019   **subclause 9.1.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return result component in the Facility information element of a FACILITY message
using the dummy call reference,
      enters the <service> Idle state.

CDIV_U01_<service>_020   **subclause 9.1.1.1**   **valid**   **optional**
Ensure that the IUT, in call state U10 and in the <service> Idle state, on receipt of a <service>
ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY
message using the dummy call reference via broadcast data link,
    accepts the provided information and does not respond and remains in the same states.
    Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U01_<service>_021   **subclause 9.1.1.1**   **valid**   **optional**
Ensure that the IUT, in call state U10 and in the <service> Activation Request state, on receipt of a
<service> ActivationStatusNotificationDiv invoke component in the Facility information element of a
FACILITY message using the dummy call reference via broadcast data link,
    accepts the provided information and does not respond and remains in the same states.
    Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U01_<service>_022   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "notSubscribed" in the Facility
information element of a FACILITY message using the dummy call reference,
      enters the <service> Idle state.

CDIV_U01_<service>_023   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "notAvailable" in the Facility
information element of a FACILITY message using the dummy call reference,
      enters the <service> Idle state.

CDIV_U01_<service>_024   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "invalidServedUserNr" in the Facility
information element of a FACILITY message using the dummy call reference,
      enters the <service> Idle state.

CDIV_U01_<service>_025   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value
"supplementaryServiceInteractionNotAllowed" in the Facility information element of a FACILITY message
using the dummy call reference,
      enters the <service> Idle state.

CDIV_U01_<service>_026   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "basicServiceNotProvided" in the
Facility information element of a FACILITY message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U01_<service>_027   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "resourceUnavailable" in the Facility
information element of a FACILITY message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U01_<service>_028   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "invalidDivertedToNr" in the Facility
information element of a FACILITY message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U01_<service>_029   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "specialServiceNr" in the Facility
information element of a FACILITY message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U01_<service>_030   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on receipt of a <service>
ActivationDiversion return error component containing the error value "diversionToServedUserNr" in the
Facility information element of a FACILITY message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U01_<service>_031   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 while in the <service> Wait Activation state on receipt of a FACILITY
message using the dummy call reference with a Facility information element containing a reject
component (resource-limitation),
        sends no message and enters the <service> Idle state.

CDIV_U01_<service>_032   **subclause 9.1.1.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Activation state, on expiry of timer
T-ACTIVATE,
        enters the <service> Idle state.

6.2.1.1.2   Deactivation

CDIV_U02_<service>_01   **subclause 9.1.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 in order to deactivate the call forwarding supplementary service,
        sends a <service> DeactivationDiversion invoke component in the Facility information element of a
        FACILITY message using the dummy call reference and enters the <service> Wait Deactivation
        state.

CDIV_U02_<service>_02   **subclause 9.1.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationDiversion return result component in the Facility information element of a FACILITY
message using the dummy call reference,
        enters the <service> Idle state.

CDIV_U02_<service>_003   **subclause 9.1.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Idle state, on receipt of a <service>
DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY
message using the dummy call reference via broadcast data link,
        accepts the provided information and does not respond and remains in the same states.
        Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U02_<service>_004   subclause 9.1.2.1   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
>   accepts the provided information and does not respond and remains in the same states.
>   **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U02_<service>_005   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return error component containing the error value "notAvailable" in the Facility information element of a FACILITY message using the dummy call reference,
>   enters the <service> Idle state.

CDIV_U02_<service>_006   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
>   enters the <service> Idle state.

CDIV_U02_<service>_007   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return error component containing the error value "invalidServedUserNr" in the Facility information element of a FACILITY message using the dummy call reference,
>   enters the <service> Idle state.

CDIV_U02_<service>_008   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return error component containing the error value "notActivated" in the Facility information element of a FACILITY message using the dummy call reference,
>   enters the <service> Idle state.

CDIV_U02_<service>_009   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 while in the <service> Wait Deactivation state on receipt of a FACILITY message using the dummy call reference with a Facility information element containing a reject component (unrecognized operation),
>   sends no message and enters the <service> Idle state.

CDIV_U02_<service>_010   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the <service> Wait Deactivation state, on expiry of timer T-DEACTIVATE,
>   enters the <service> Idle state.

CDIV_U02_<service>_011   subclause 9.1.2.1   valid   mandatory
Ensure that the IUT, in call state U10 in order to deactivate the call forwarding supplementary service,
>   sends a <service> DeactivationDiversion invoke component in the Facility information element of a
>   FACILITY message using the dummy call reference and enters the <service> Wait Deactivation
>   state.

CDIV_U02_<service>_012   subclause 9.1.2.1   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return result component in the Facility information element of a FACILITY message using the dummy call reference,
>   enters the <service> Idle state.

CDIV_U02_<service>_013   subclause 9.1.2.1   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Idle state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
>   accepts the provided information and does not respond and remains in the same states.
>   **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U02_<service>_014   subclause 9.1.2.1   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a
FACILITY message using the dummy call reference via broadcast data link,
    accepts the provided information and does not respond and remains in the same states.
      Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.

CDIV_U02_<service>_015   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationDiversion return error component containing the error value "notAvailable" in the
Facility information element of a FACILITY message using the dummy call reference,
    enters the <service> Idle state.

CDIV_U02_<service>_016   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationDiversion return error component containing the error value "notSubscribed" in the
Facility information element of a FACILITY message using the dummy call reference,
    enters the <service> Idle state.

CDIV_U02_<service>_017   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationDiversion return error component containing the error value "invalidServedUserNr"
in the Facility information element of a FACILITY message using the dummy call reference,
    enters the <service> Idle state.

CDIV_U02_<service>_018   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on receipt of a
<service> DeactivationDiversion return error component containing the error value "notActivated" in the
Facility information element of a FACILITY message using the dummy call reference,
    enters the <service> Idle state.

CDIV_U02_<service>_019   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 while in the <service> Wait Deactivation state on receipt of a
FACILITY message using the dummy call reference with a Facility information element containing a reject
component (unrecognized-operation),
    sends no message and enters the <service> Idle state.

CDIV_U02_<service>_020   subclause 9.1.2.2   valid   mandatory
Ensure that the IUT, in call state U10 and in the <service> Wait Deactivation state, on expiry of timer
T-DEACTIVATE,
    enters the <service> Idle state.

6.2.1.1.3   Interrogation - general

CDIV_U03_001   subclause 9.1.3.1   valid   mandatory
Ensure that the IUT, in call state U00 in order to obtain the numbers at an interface for which call
forwarding has been activated,
    sends an InterrogateServedUserNumbers invoke component in the Facility information element of a
    FACILITY message using the dummy call reference and enters the Wait Number Interrogation
    state.

CDIV_U03_002   subclause 9.1.3.1   valid   mandatory
Ensure that the IUT, in call state U00 and in the Wait Number Interrogation state, on receipt of a
InterrogateServedUserNumbers return result component in the Facility information element of a FACILITY
message using the dummy call reference,
    accepts the provided information and enters the Idle state.

CDIV_U03_003   subclause 9.1.3.2   valid   mandatory
Ensure that the IUT, in call state U00 and in the Wait Number Interrogation state, on receipt of a
InterrogateServedUserNumbers return error component containing the error value "notAvailable" in the
Facility information element of a FACILITY message using the dummy call reference,
    accepts the provided information and enters the Idle state.

CDIV_U03_004   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the Wait Number Interrogation state, on receipt of a InterrogateServedUserNumbers return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U03_005   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the Wait Number Interrogation state, on receipt of a FACILITY message using the dummy call reference with a Facility information element containing a reject component (unrecognized-operation),
     sends no message and enters the Idle state.

CDIV_U03_006   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the Wait Number Interrogation state, on expiry of timer T-INTERROGATE,
     enters the Idle state.

CDIV_U03_007   **subclause 9.1.3.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 in order to obtain the numbers at an interface for which call forwarding has been activated,
     sends an InterrogateServedUserNumbers invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the Wait Number Interrogation state.

CDIV_U03_008   **subclause 9.1.3.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the Wait Number Interrogation state, on receipt of a InterrogateServedUserNumbers return result component in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U03_009   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the Wait Number Interrogation state, on receipt of a InterrogateServedUserNumbers return error component containing the error value "notAvailable" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U03_010   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the Wait Number Interrogation state, on receipt of a InterrogateServedUserNumbers return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U03_011   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the Wait Number Interrogation state, on receipt of a reject component in the Facility information element of a FACILITY message using the dummy call reference,
     sends no message and enters the Idle state.

CDIV_U03_012   **subclause 9.1.3.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the Wait Number Interrogation state, on expiry of timer T-INTERROGATE,
     enters the Idle state.

6.2.1.1.4   **Interrogation - service**

CDIV_U04_<service>_001   **subclause 9.1.4.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 in order to obtain the details of the instance(s) of a call forwarding supplementary service <service>,
     sends a <service> InterrogationDiversion invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the <service> Wait Interrogation state.

CDIV_U04_<service>_002   **subclause 9.1.4.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return result component in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_003   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return error component containing the error value "notAvailable" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_004   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_005   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return error component containing the error value "invalidServedUserNr" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_006   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on receipt of a reject component in the Facility information element of a FACILITY message using the dummy call reference,
     sends no message and enters the Idle state.

CDIV_U04_<service>_007   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and in the <service> Wait Interrogation state, on expiry of timer T-INTERROGATE,
     enters the Idle state.

CDIV_U04_<service>_008   **subclause 9.1.4.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 in order to obtain the details of the instance(s) of a call forwarding supplementary service <service>,
     sends a <service> InterrogationDiversion invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the <service> Wait Interrogation state.

CDIV_U04_<service>_009   **subclause 9.1.4.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return result component in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_010   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return error component containing the error value "notAvailable" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_011   **subclause 9.1.4.2**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on receipt of a <service> InterrogationDiversion return error component containing the error value "notSubscribed" in the Facility information element of a FACILITY message using the dummy call reference,
     accepts the provided information and enters the Idle state.

CDIV_U04_<service>_012   subclause 9.1.4.2   **valid   mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on receipt of a
<service> InterrogationDiversion return error component containing the error value "invalidServedUserNr"
in the Facility information element of a FACILITY message using the dummy call reference,
        accepts the provided information and enters the Idle state.

CDIV_U04_<service>_013   subclause 9.1.4.2   **valid   mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on receipt of a reject
component in the Facility information element of a FACILITY message using the dummy call reference,
        sends no message and enters the Idle state.

CDIV_U04_<service>_014   subclause 9.1.4.2   **valid   mandatory**
Ensure that the IUT, in call state U10 and in the <service> Wait Interrogation state, on expiry of timer
T-INTERROGATE,
        enters the Idle state.

6.2.1.1.5   Operation

<service> = CFB or CFU

CDIV_U05_<service>_001   subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1   **valid   optional**
Ensure that the IUT, in call state U00 and in the <service> Idle state, on receipt of a valid <service>
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via broadcast data link,
        accepts the provided information and does not respond.
        Selection: support broadcast (bearer independent) connectionless transport mechanism?
                PICS: [14] MCu 2.7.

CDIV_U05_<service>_002   subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1   **valid   optional**
Ensure that the IUT, in call state U00 and in the <service> Idle state, on receipt of a valid <service>
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via point-to-point data link,
        accepts the provided information and does not respond.
        Selection: support point-to-point (bearer independent) connectionless transport mechanism?
                PICS: [14] MCu 2.6.

CDIV_U05_<service>_003   subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1   **valid   optional**
Ensure that the IUT, in call state U10 and in the <service> Idle state, on receipt of a valid <service>
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via broadcast data link,
        accepts the provided information and does not respond.
        Selection: support broadcast (bearer independent) connectionless transport mechanism?
                PICS: [14] MCu 2.7.

CDIV_U05_<service>_004   subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1   **valid   optional**
Ensure that the IUT, in call state U10 and in the <service> Idle state, on receipt of a valid <service>
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via point-to-point data link,
        accepts the provided information and does not respond.
        Selection: support point-to-point (bearer independent) connectionless transport mechanism?
                PICS: [14] MCu 2.6.

CDIV_U05_CFNR_001   subclause 9.2.4.4.1   **valid   optional**
Ensure that the IUT, in call state U07 and in the CFNR Idle state, on receipt of a valid CFNR
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via broadcast data link,
        accepts the provided information and does not respond.
        Selection: support broadcast (bearer independent) connectionless transport mechanism?
                PICS: [14] MCu 2.7.
        Selection: IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U05_CFNR_002　　　　**subclause 9.2.4.4.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U07 and in the CFNR Idle state, on receipt of a valid CFNR
DiversionInformation invoke component in the Facility information element of a FACILITY message using
the dummy call reference via point-to-point data link,
　　　accepts the provided information and does not respond.
　　　Selection:　support point-to-point (bearer independent) connectionless transport mechanism?
　　　　　　　　　PICS: [14] MCu 2.6.
　　　Selection:　IUT supports U07. PICS: [12]/[13] CS 7.

6.2.1.2　　　　**Call deflection - operation**

　　　Selection:　Call deflection supported. PICS: R 1.2.

CDIV_U06_001　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U07 in order to invoke the call deflection supplementary service,
　　　sends a CallDeflection invoke component in the Facility information element of a FACILITY
　　　message and enters the Deflecting state.
　　　Selection:　IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
　　　Selection:　IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_002　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U09 in order to invoke the call deflection supplementary service,
　　　sends a CallDeflection invoke component in the Facility information element of a FACILITY
　　　message and enters the Deflecting state.
　　　Selection:　IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_003　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U25 in order to invoke the call deflection supplementary service,
　　　sends a CallDeflection invoke component in the Facility information element of a FACILITY
　　　message and enters the Deflecting state.
　　　Selection:　IUT supports U25. PICS: [12]/[13] CS 17.

CDIV_U06_004　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U07 and Deflecting state, on receipt of a CallDeflection return result
component in the Facility information element of a FACILITY message,
　　　accepts the provided information and enters the Call Deflection Idle state.
　　　Selection:　IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_005　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U07 and Deflecting state, on receipt of a CallDeflection return result
component in the Facility information element of a DISCONNECT message,
　　　accepts the provided information and enters the Call Deflection Idle state.
　　　Selection:　IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_006　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U09 and Deflecting state, on receipt of a CallDeflection return result
component in the Facility information element of a FACILITY message,
　　　accepts the provided information and enters the Call Deflection Idle state.
　　　Selection:　IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_007　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U09 and Deflecting state, on receipt of a CallDeflection return result
component in the Facility information element of a DISCONNECT message,
　　　accepts the provided information and enters the Call Deflection Idle state.
　　　Selection:　IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_008　　　　**subclause 9.2.4.5.1**　　　　　　**valid**　　**optional**
Ensure that the IUT, in call state U25 and Deflecting state, on receipt of a CallDeflection return result
component in the Facility information element of a FACILITY message,
　　　accepts the provided information and enters the Call Deflection Idle state.
　　　Selection:　IUT supports U25. PICS: [12]/[13] CS 17.

CDIV_U06_009   **subclause 9.2.4.5.1**   **valid**   **optional**
Ensure that the IUT, in call state U25 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a DISCONNECT message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U25. PICS: [12]/[13] CS 17.

    NOTE: In the following nine TPs a series of Call Deflection return errors are sent to the IUT. These nine errors can be sent in any of three states. Rather than repeat every error for every state, the errors have been distributed among the states.

CDIV_U06_010   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "notSubscribed", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_011   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "notAvailable", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_012   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "InvalidDivertedToNr", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U25. PICS: [12]/[13] CS 17.

CDIV_U06_013   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "SpecialServiceNr", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_014   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "DiversionToServedUserNr", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_015   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "IncomingCallAccepted", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U25. PICS: [12]/[13] CS 17.

CDIV_U06_016   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "NumberOfDiversionsExceeded", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U07. PICS: [12]/[13] CS 7.

CDIV_U06_017   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "supplementaryServiceInteractionNotAllowed", in the Facility information element of a FACILITY message,
    accepts the provided information and enters the Call Deflection Idle state.
    Selection: IUT supports U09. PICS: [12]/[13] CS 9.

CDIV_U06_018   **subclause 9.2.4.5.2**   **valid**   **optional**
Ensure that the IUT, in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "RequestAlreadyAccepted", in the Facility information element of a FACILITY message,
      accepts the provided information and enters the Call Deflection Idle state.
      Selection: IUT supports U25. PICS: [12]/[13] CS 17.

6.2.2   S/T only

      Selection: IUT supports coincident S and T reference point procedures. PICS: R 3.1.

6.2.2.1   Reminder notification

CDIV_U07_001   **subclause 9.3.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U01, on receipt of a SETUP ACKNOWLEDGE message with a Notification indicator information element containing a notification description value of "diversion activated",
      accepts the provided information and enters call state U02.

CDIV_U07_002   **subclause 9.3.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U01, on receipt of a CALL PROCEEDING message with a Notification indicator information element containing a notification description value of "diversion activated",
      accepts the provided information and enters call state U03.

6.2.3   T only

      Selection: IUT supports T reference point procedures. PICS: R 3.2.

6.2.3.1   ETS 300 207-1, subclause 10.1

      Selection: IUT supports procedures where a call is diverted within or beyond the private ISDN. PICS: MC 6.

CDIV_U08_001   **subclause 10.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00, on receipt of a SETUP message and if the call is diverted within or beyond the private ISDN,
      continues normal call handling and sends a DivertingLegInformation1 invoke component in the Facility information element of either a FACILITY, PROGRESS or ALERTING message.

CDIV_U08_002   **subclause 10.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00, on receipt of a SETUP message and if the call is diverted within or beyond the private ISDN,
      continues normal call handling and sends a DivertingLegInformation3 invoke component in the Facility information element of either a FACILITY, PROGRESS or ALERTING message.

CDIV_U08_003   **subclause 10.1.2**   **valid**   **mandatory**
Ensure that the IUT, on receipt of a FACILITY message with a Facility information element containing a reject component (resource-limitation) in response to a DivertingLegInformation1 component,
      accepts this information and continues with call establishment.

CDIV_U08_004   **subclause 10.1.2**   **valid**   **mandatory**
Ensure that the IUT, on receipt of a FACILITY message with a Facility information element containing a reject component (resource-limitation) in response to a DivertingLegInformation3 component,
      accepts this information and continues with call establishment.

6.2.3.2 ETS 300 207-1, subclause 10.2

Selection: IUT supports procedures where a diverted call is presented to the private network. PICS: MC 7.

CDIV_U09_001 subclause 10.2.1 valid mandatory

Ensure that the IUT, in call state U00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element,
continues normal call handling and sends a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING or CONNECT message.

CDIV_U09_002 subclause 10.2.2 valid optional

Ensure that the IUT, on receipt of a FACILITY message with a Facility information element containing a reject component (resource-limitation) in response to a DivertingLegInformation3 component,
accepts this information and continues with call establishment.

6.2.3.3 ETS 300 207-1, subclause 10.4

Selection: IUT supports requirements where a diverted call is presented by the private ISDN. PICS: MC 8.

CDIV_U10_001 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U00 in order to present a diverted call to the public ISDN,
sends a SETUP message containing a Facility information element including a DivertingLegInformation2 invoke component giving information about the call diversion(s) in the diversionCounter, the diversionReason, the divertingNr and if more than one diversion occurred the originalCalledNr parameter and enters call state U01 and the Private Network Diverting state.

CDIV_U10_002 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U01 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,
does not respond to this invoke component and remains in call state U01 and enters the Idle state.

CDIV_U10_003 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,
does not respond to this invoke component and remains in call state U03 and enters the Idle state.

CDIV_U10_004 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U04 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,
does not respond to this invoke component and remains in call state U04 and enters the Idle state.

CDIV_U10_005 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a ALERTING message,
does not respond to this invoke component and enters call state U04 and enters the Idle state.

CDIV_U10_006 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a CONNECT message,
does not respond to this invoke component and enters call state U10 and enters the Idle state.

CDIV_U10_007 subclause 10.4.1 valid mandatory

Ensure that the IUT, in call state U04 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a CONNECT message,
does not respond to this invoke component and enters call state U10 and enters the Idle state.

CDIV_U10_08 subclause 10.4.2 valid mandatory

Ensure that the IUT, in call state U01 and the Private Network Diverting state, on receipt of a FACILITY message with a Facility information element containing a reject component (resource-limitation) corresponding to a previously sent invoke component,
   accepts this information and continues with call establishment.

6.2.3.4 ETS 300 207-1, subclause 10.5

   Selection: IUT supports procedures for diversion by partial rerouteing: MC 9.

CDIV_U11_001 subclause 10.5.1 valid mandatory

Ensure that the IUT, on receipt of a SETUP message, to request diversion by partial rerouteing,
   sends a FACILITY message containing in the Facility information element a valid CallRerouteing invoke component in call state U07, U09 or U25 and enters the Wait Route state.

CDIV_U11_002 subclause 10.5.1 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return result component,
   accepts the information and enters the Idle state.

CDIV_U11_003 subclause 10.5.1 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a DISCONNECT message containing in the Facility information element a valid CallRerouteing return result component and a Cause information element with cause #31,
   accepts the information, responds with a RELEASE message and enters the Idle state and call state U19.

CDIV_U11_004 subclause 10.5.2 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "notSubscribed",
   accepts the information and enters the Idle state.

CDIV_U11_005 subclause 10.5.2 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "notAvailable",
   accepts the information and enters the Idle state.

CDIV_U11_006 subclause 10.5.2 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "supplementaryServiceInteractionNotAllowed",
   accepts the information and enters the Idle state.

CDIV_U11_007 subclause 10.5.2 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "resourceUnavailable",
   accepts the information and enters the Idle state.

CDIV_U11_008 subclause 10.5.2 valid optional

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "InvalidDivertedToNr",
   accepts the information and enters the Idle state.

CDIV_U11_009 subclause 10.5.2 valid mandatory

Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "SpecialServiceNr",
   accepts the information and enters the Idle state.

CDIV_U11_010   **subclause 10.5.2**   **valid**   **optional**
Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "DiversionToServedUserNr",
    accepts the information and enters the Idle state.

CDIV_U11_011   **subclause 10.5.2**   **valid**   **mandatory**
Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "NumberOfDiversionsExceeded",
    accepts the information and enters the Idle state.

CDIV_U11_012   **subclause 10.5.2**   **valid**   **optional**
Ensure that the IUT, while in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a reject component (resource-limitation),
    accepts the information and enters the Idle state.

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 user equipment claiming conformance to ETS 300 207-1 [1].

History

Document history			
October 1995	Public Enquiry	PE 94:	1995-10-23 to 1996-02-16
August 1996	Vote	V 108:	1996-08-05 to 1996-09-27