ETSI

EUROPEAN
TELECOMMUNICATION
STANDARD

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

New presentation - see History box

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Foreword

This 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 Public Enquiry phase of the ETSI standards approval procedure.

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) 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

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1 Scope

This fifth part of ETS 300 207 specifies the network Test Suite Structure and Test Purposes (TSS&TP) of the Diversion supplementary services for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators at the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [7]) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol.

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".

NOTE: ETS 300 196-1 (1993) was initially published as ETS 300 196 (1993).

[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 300 316: "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, network)".

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

active test: A test case where the IUT is required to send a particular message, but not in reaction to a received message. This would usually involve the use of PIXIT information to see how this message can be generated and quite often is specified in an ATS using an Implicit Send event.

implementation under test: 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].

passive test: A test case where the IUT is required to respond to a protocol event (e.g. received message) with another protocol event (sends message) and normally does not require an any special operator intervention such as is associated with the Implicit Send event.

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 300 207-1

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

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

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

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

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

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 [6], subclause 11.2.2.1.

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

served user: The served user is 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.

4 Abbreviations

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

ATM	Abstract Test Method
ATS	Abstract Test Suite
BC	Basic Call
CR	Call Reference
DCR	Dummy Call Reference
GFP	Generic Functional Protocol
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
N00	Null Call state
N03	Outgoing Call Proceeding Call state
N04	Call Delivered Call state
N07	Call Received Call state
N08	Connect Request Call state
N09	Incoming Call Proceeding Call state
N10	Active 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

5 Test Suite Structure
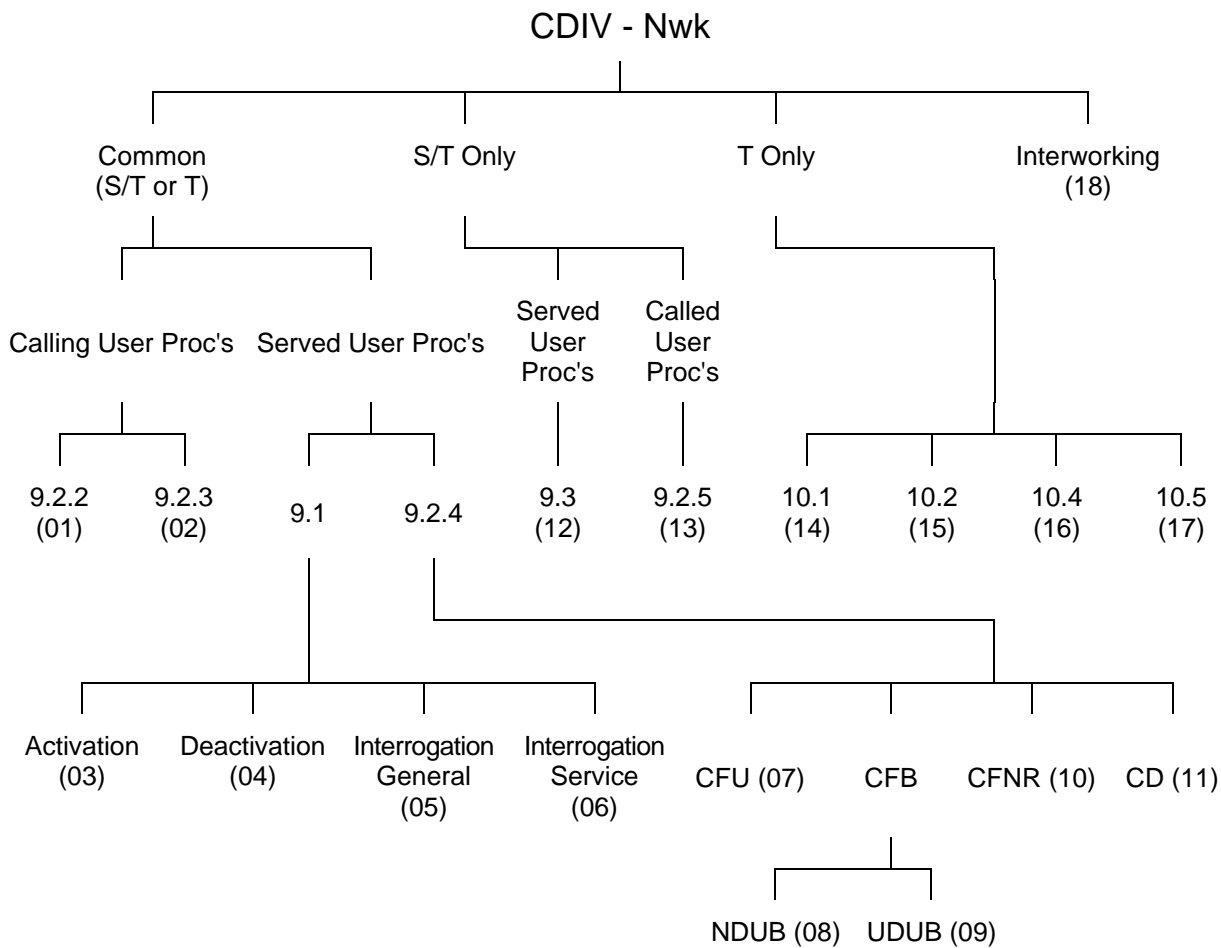
NOTE 1: Numbers in brackets represent group numbers and are used in Test Purpose (TP) identifiers.

NOTE 2: See ETS 300 207-1 for titles of referenced subclauses (9.2.2 etc.).

Figure 1: Test suite structure

6 Test Purposes

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 Test Suite Structure (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>_<service>_<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 were developed 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 for Call Diversion

TP Part	Text	Example
Header	<Identifier> *tab* <paragraph number in base ETS> *tab* <PICS reference (if any)> *tab* <type of test> *tab* <condition> *CR.*	see Table 1 subclause 0.0.0 XY 0.0 valid, invalid, inopportune mandatory, optional, conditional
Stimulus	Ensure that the IUT in the in <basic call state> and in <supplementary service state> <trigger> *see below for message structure* *or* <goal>	N10(idle), N10(call held), 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 state(s) *or* and enters 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 contained no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and PICS. 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 Network TPs for call diversion

> NOTE 1: Where a FACILITY message is followed by "(DCR)", this means that the message is sent or received using the dummy call reference. FACILITY messages with no indication of DCR indicates that the call reference of the associated call is used.

<service> = CFB, CFNR, CFU

> NOTE 2: 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>" is in fact three TPs - one for each of the three services. The other service, CD (Call Deflection), is treated separately.

6.2.1 Common (S/T or T)

> 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 clause 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 Calling user procedures

6.2.1.1.1 ETS 300 207-1, subclause 9.2.2

CDIV_N01_001   **subclause 9.2.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Initiated call state N01, to indicate that the first call diversion has occurred,
sends a CALL PROCEEDING or NOTIFY message containing a Notification indicator information element coded "call is diverting" to the calling user.

CDIV_N01_002   **subclause 9.2.2.1**   **valid mandatory**
Ensure that the IUT, in the Outgoing Call Proceeding call state N03, to indicate that the first call diversion has occurred,
sends an ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY message containing a Notification indicator information element coded "call is diverting" to the calling user.

CDIV_N01_003   **subclause 9.2.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate that a subsequent call diversion with the diverting cause CDA or CFNR has occurred
sends a PROGRESS, CONNECT, INFORMATION or NOTIFY message containing a Notification indicator information element coded "call is diverting" to the calling user.

CDIV_N01_004   **subclause 9.2.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate diversion from the diverted-to user where no progress indicator has been received,
sends a NOTIFY message with the diversion notifications as indicated by the restriction requirements to the calling user.

CDIV_N01_005   **subclause 9.2.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate diversion from the diverted-to user where a progress indicator has been received,
   sends a PROGRESS message with the diversion notifications as indicated by the restriction requirements to the calling user.

6.2.1.1.2   ETS 300 207-1, subclause 9.2.3

CDIV_N02_001   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate completion of the call at the diverted-to user where presentation of the diverted-to number is not allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends a CONNECT message and possibly a NOTIFY, INFORMATION or PROGRESS message none of which includes a Redirection number information element.

CDIV_N02_002   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate completion of the call at the diverted-to user where presentation of the diverted-to number is allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends a CONNECT message and possibly a, NOTIFY, INFORMATION or PROGRESS message none of which includes a Redirection number information element.

CDIV_N02_003   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Outgoing Call Proceeding call state N03, to indicate that the presentation of the diverted-to number is allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends to the calling user an ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the presentation indicator set to "presentation allowed", the numbering identification field set to "ISDN numbering plan (CCITT Recommendation E.164" or "unknown", the type of number field set to "national number", "international number" or "unknown" and the redirection number information provided in the number digits field.

CDIV_N02_004   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate that the presentation of the diverted-to number is allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends to the calling user a CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the presentation indicator set to "presentation allowed", the numbering identification field set to "ISDN numbering plan (CCITT Recommendation E.164" or "unknown", the type of number field set to "national number", "international number" or "unknown" and the redirection number information provided in the number digits field.

CDIV_N02_005   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Outgoing Call Proceeding call state N03, to indicate that the presentation of the diverted-to number is not allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends an ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator set to "presentation restricted".

CDIV_N02_006   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate that the presentation of the diverted-to number is not allowed in accordance with the COLR supplementary service of the diverted-to user,
   sends a CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator set to "presentation restricted".

CDIV_N02_007   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Outgoing Call Proceeding call state N03, to indicate that the diverted-to number is not available in accordance with the COLR supplementary service of the diverted-to user,
>sends an ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the presentation indicator set to "number not available due to interworking", the numbering identification field and the type of number field set to "unknown" and without a number digits field.

CDIV_N02_008   **subclause 9.2.3.1**   **valid mandatory**
Ensure that the IUT, in the Call Delivered call state N04, to indicate that the diverted-to number is not available in accordance with the COLR supplementary service of the diverted-to user,
>sends a CONNECT, NOTIFY, INFORMATION or PROGRESS message containing a Redirection number information element with the presentation indicator set to "number not available due to interworking", the numbering identification field and the type of number field set to "unknown" and without a number digits field.

6.2.1.2   Served user procedures

6.2.1.2.1   ETS 300 207-1, subclause 9.1

6.2.1.2.1.1   Activation

CDIV_N03_<service>_001   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion to the whole access, on receipt of a FACILITY message using the dummy call reference (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
>sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
>using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
>**Selection:**   IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
>**Selection:**   IUT supports coincident S and T reference point procedures? PICS: R 3.1.
>**Selection:**   IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N03_<service>_002   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
>sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
>using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
>**Selection:**   IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
>**Selection:**   IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N03_<service>_003   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
>sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
>using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
>**Selection:**   IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
>**Selection:**   IUT supports coincident S and T reference point procedures? PICS: R 3.1.
>**Selection:**   IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_004   **subclause 9.1.1.1**   **valid optional**
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_005   **subclause 9.1.1.1**   **valid optional**
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN provided, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_006   **subclause 9.1.1.1**   **inopportune optional**
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, subscription option for the use of all numbers is "no" and MSN provided, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "invalidServedUserNr".
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_007   **subclause 9.1.1.1**   **valid optional**
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access, subscription option for the use of all numbers set to "yes", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.
> **Selection:** IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N03_<service>_008   **subclause 9.1.1.1**   **valid optional**
Ensure that the IUT, in the call state N00, configured for provision of diversion to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
> **Selection:** IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.

Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
Selection: IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N03_<service>_009   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
   sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
   Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
   Selection: IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N03_<service>_010   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
   sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
   Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
   Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
   Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_011   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
   sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
   Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
   Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
   Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_012   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
   sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
   Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
   Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
   Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N03_<service>_013   subclause 9.1.1.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers is "yes", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
   sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return result component.
   Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
   Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
   Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.
   Selection: IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N03_<service>_014   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the requested call forwarding supplementary service has not been subscribed to for the indicated basic service,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "notSubscribed".

CDIV_N03_<service>_015   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the requested call forwarding supplementary service is not available for the indicated basic service,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "notAvailable".

CDIV_N03_<service>_016   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the ISDN number provided to identify the served user is not a valid number,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "invalidServedUserNr".

CDIV_N03_<service>_017   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the provision of the call forwarding supplementary service activation is constrained by an interactions procedure,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion   return   error   component   indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N03_<service>_018   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the served user has not subscribed to the basic service for which the call forwarding supplementary service was requested,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "basicServiceNotProvided".

CDIV_N03_<service>_019   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the resources required to perform adequately the requested call forwarding supplementary service are not available,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "resourceUnavailable".

CDIV_N03_<service>_020   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the indicated forwarded-to number cannot be accepted,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "InvalidDivertedToNr".

CDIV_N03_<service>_021   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the indicated forwarded-to number identifies a special service number and forwarding is prohibited to this special service number,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "SpecialServiceNr".

CDIV_N03_<service>_022   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component and if the indicated forwarded-to number is identical to the ISDN number identifying the served user,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "DiversionToServedUserNr".

CDIV_N03_<service>_023   subclause 9.1.1.2   inopportune   mandatory
Ensure that the IUT, in the call state N00, having sent a <service> ActivationDiversion component (return result or return error), on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component,
> takes no action.

CDIV_N03_<service>_024   subclause 10.6   valid optional
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> ActivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> ActivationDiversion return error component indicating "invalidServedUserNr".
> **Selection:**   T reference point procedures supported. PICS: R 3.2.

6.2.1.2.1.2   Deactivation

CDIV_N04_<service>_001   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
> **Selection:**   IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:**   IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:**   IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N04_<service>_002   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N04_<service>_003   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_004   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_005   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
> using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "individualNumber".
> **Selection:** IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_006   subclause 9.1.2.1   inopportune   optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers set to "no", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "invalidServedUserNr".

Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_007   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers set to "yes", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component and,
using the connectionless broadcast transport mechanism, a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationStatusNotificationDiv invoke component with the servedUserNr parameter set to "allNumbers".
Selection: IUT supports basic access, point-to-multipoint configuration? PICS: [12] MC 2.5.
Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.
Selection: IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N04_<service>_008   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
Selection: IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N04_<service>_009   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
Selection: IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N04_<service>_010   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_011   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00 configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.

Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_012   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
    Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
    Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
    Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N04_<service>_013   subclause 9.1.2.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers set to "yes", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return result component.
    Selection: IUT does NOT support basic access, point-to-multipoint configuration? PICS: [12] NOT MC 2.5.
    Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
    Selection: IUT supports provision of diversion on a per number basis. PICS: MC 10.1.
    Selection: IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N04_<service>_014   subclause 9.1.2.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component and if the requested call forwarding supplementary service has not been subscribed to for the indicated basic service,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "notSubscribed".

CDIV_N04_<service>_015   subclause 9.1.2.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component and if the requested call forwarding supplementary service is not available for the indicated basic service,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "notAvailable".

CDIV_N04_<service>_016   subclause 9.1.2.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component and if the ISDN number provided to identify the served user is not a valid number,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "invalidServedUserNr".

CDIV_N04_<service>_017   subclause 9.1.2.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component and if none of the requested instances of the service is activated,
    sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "notActivated".

CDIV_N04_<service>_018   subclause 9.1.2.2   inopportune   mandatory
Ensure that the IUT, in the call state N00, having sent a <service> DeactivationDiversion component (return result or return error), on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component,
    takes no action.

CDIV_N04_<service>_019   subclause 10.6   valid optional
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> DeactivationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> DeactivationDiversion return error component indicating "invalidServedUserNr".
> **Selection:**   T reference point procedures supported. PICS: R 3.2.

6.2.1.2.1.3   Interrogation - general

CDIV_N05_001   subclause 9.1.3.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription option activation, deactivation and interrogation for all ISDN numbers on the same access set to "yes", having activated a number of call forwarding supplementary services, on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component,
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return result component providing in the ServedUserNumberList parameter the ISDN numbers that have a call forwarding supplementary service associated with themselves.
> **Selection:**   IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N05_002   subclause 9.1.3.1   valid optional
Ensure that the IUT, in the call state N00, configured for subscription option activation, deactivation and interrogation for all ISDN numbers on the same access set to "yes", if no activation of a call forwarding supplementary service exists, on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component,
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return result component with the size of the ServedUserNumberList parameter set to zero.
> **Selection:**   IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N05_003   subclause 9.1.3.2   inopportune   mandatory
Ensure that the IUT, in the call state N00, configured for subscription option activation, deactivation and interrogation for all ISDN numbers on the same access set to "no", on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return error component indicating "notSubscribed".

CDIV_N05_004   subclause 9.1.3.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component and if the requested call forwarding supplementary service has not been subscribed to,
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return error component indicating "notSubscribed".

CDIV_N05_005   subclause 9.1.3.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component and if the requested information is not available,
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return error component indicating "notAvailable".

CDIV_N05_006   subclause 9.1.3.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as InterrogateServedUserNumbers invoke component and if the data provided by the network exceeds the maximum length allowed for a message,
> sends a FACILITY message (DCR) containing a Facility information element with a valid InterrogateServedUserNumbers return error component indicating "notAvailable".

CDIV_N05_007 subclause 9.1.3.2 inopportune mandatory
Ensure that the IUT, in the call state N00, having sent a valid InterrogateServedUserNumbers component, on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component,
> takes no action.

6.2.1.2.1.4 Interrogation - service

CDIV_N06_<service>_001 subclause 9.1.4.1 valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with collected data of the <service> call forwarding service for the whole access in a valid InterrogationDiversion return result component indicating "allNumbers".
> **Selection:** IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N06_<service>_002 subclause 9.1.4.1 valid optional
Ensure that the IUT, in the call state N00, configured for subscription to the whole access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with collected data of the <service> call forwarding service for the whole access in a valid InterrogationDiversion return result component indicating "allNumbers".
> **Selection:** IUT supports provision of diversion to the whole access. PICS: MC 10.2.

CDIV_N06_<service>_003 subclause 9.1.4.1 valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with collected data of the individual instance of the <service> call forwarding service in a valid InterrogationDiversion return result component indicating "individualNumber".
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N06_<service>_004 subclause 9.1.4.1 valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN not provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with collected data of the individual instance of the <service> call forwarding service in a valid InterrogationDiversion return result component indicating "individualNumber".
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N06_<service>_005 subclause 9.1.4.1 valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis and MSN provided to the access, on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "individualNumber" in the servedUserNr parameter,
> sends a FACILITY message (DCR) containing a Facility information element with collected data of the individual instance of the <service> call forwarding service in a valid InterrogationDiversion return result component indicating "individualNumber".
> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N06_<service>_006   subclause 9.1.4.1   inopportune   optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers set to "no", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return error component indicating "invalidServedUserNr".

> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.

CDIV_N06_<service>_007   subclause 9.1.4.1   valid optional
Ensure that the IUT, in the call state N00, configured for provision of diversion on a per number basis, MSN provided to the access and subscription option for the use of all numbers set to "yes", on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component indicating "allNumbers" in the servedUserNr parameter,

> sends a FACILITY message (DCR) containing a Facility information element with collected data of the <service> call forwarding service for the whole access in a valid InterrogationDiversion return result component.

> **Selection:** IUT supports coincident S and T reference point procedures? PICS: R 3.1.
> **Selection:** IUT supports provision of diversion on a per number basis. PICS: MC 10.1.
> **Selection:** IUT supports activation, deactivation, interrogation for all numbers. PICS: MC 11.

CDIV_N06_<service>_008   9.1.4.1.   valid mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component and if no activation of a call forwarding supplementary service exists,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return result component with the size of the single IntResultList parameter set to zero.

CDIV_N06_<service>_009   subclause 9.1.4.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component and if the requested call forwarding supplementary service has not been subscribed to for any basic service

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return error component indicating "notSubscribed".

CDIV_N06_<service>_010   subclause 9.1.4.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component and if the requested call forwarding supplementary service is not available for any basic service,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return error component indicating "notAvailable".

CDIV_N06_<service>_011   subclause 9.1.4.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component and if the data provided by the network exceeds the maximum length allowed for a message,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return error component indicating "notAvailable".

CDIV_N06_<service>_012   subclause 9.1.4.2   inopportune   mandatory
Ensure that the IUT, in the call state N00 on receipt of a FACILITY message (DCR) containing a Facility information element coded as <service> InterrogationDiversion invoke component and if the ISDN number provided to identify the served user is not a valid number,

> sends a FACILITY message (DCR) containing a Facility information element with a valid <service> InterrogationDiversion return error component indicating "invalidServedUserNr".

CDIV_N06_<service>_013   subclause 9.1.4.2   inopportune   mandatory
Ensure that the IUT, in the call state N00, having sent a valid <service> InterrogationDiversion component (return result or return error), on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component,
>   takes no action.

6.2.1.2.2   ETS 300 207-1, subclause 9.2.4

6.2.1.2.2.1   CFU

>   **Selection:**   CFU supported. PICS: R 1.1.2.

CDIV_N07_001   subclause 9.2.4.1.1   valid optional
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded unconditionally,
>   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component.
>   **Selection:**   IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_002   subclause 9.2.4.1.1   valid optional
Ensure that the IUT, configured for MSN provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded unconditionally
>   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
>   **Selection:**   IUT supports coincident S and T reference point procedures? PICS: R 3.1.
>   **Selection:**   IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_003   subclause 9.2.4.1.1, subclause 10.6   valid optional
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information" and DDI provided, to indicate that a call to the served user is forwarded unconditionally
>   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
>   **Selection:**   T reference point procedures supported. PICS: R 3.2.
>   **Selection:**   IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_004 subclause 9.2.4.1.1 **valid mandatory**
Ensure that the IUT, configured for SUB provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded unconditionally,

sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the servedUserSubaddress parameter set to the served user's subaddress as provided by the Called party subaddress information element.

Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_005 subclause 9.2.4.1.1 **valid mandatory**
Ensure that the IUT, configured for CLIP provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the presentation of the calling address is not restricted, to indicate that a call to the served user is forwarded unconditionally,

sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "presentationAllowedAddress" giving the calling party address.

Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_006 subclause 9.2.4.1.1 **valid optional**
Ensure that the IUT, configured for CLIP provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the presentation of the calling address is restricted, to indicate that a call to the served user is forwarded unconditionally,

sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "presentationRestricted".

Selection: CLIP supported

Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_007 subclause 9.2.4.1.1 **valid optional**
Ensure that the IUT, configured for CLIP provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the calling address is not available due to interworking, to indicate that a call to the served user is forwarded unconditionally,

sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "numberNotAvailableDueToInterworking".

Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_008 subclause 9.2.4.1.1 **valid optional**
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and previous diversions have occurred, to indicate that a call to the served user is forwarded unconditionally,

sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with a valid originalCalledNr parameter, a valid lastDivertingNr parameter and a valid lastDivertingReason parameter.

Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFU. PICS: MC 12.1

CDIV_N07_009 subclause 9.2.4.1.2 **inopportune mandatory**
Ensure that the IUT, having sent a valid DiversionInformation invoke component indicating "cfu", on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component, takes no action.

6.2.1.2.2.2   **CFB**

Selection: CFB supported. PICS: R 1.1.1.

6.2.1.2.2.2.1   **NDUB**

CDIV_N08_001   **subclause 9.2.4.2.1**   **valid optional**
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded on network determined user busy,
   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component.
   Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_002   **subclause 9.2.4.2.1**   **valid optional**
Ensure that the IUT, configured for MSN provided and subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded on network determined user busy,
   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
   Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
   Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_003   **subclause 9.2.4.2.1, subclause 10.6**   **valid optional**
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information" and DDI provided, to indicate that a call to the served user is forwarded on network determined user busy,
   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
   Selection: T reference point procedures supported. PICS: R 3.2.
   Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_004   **subclause 9.2.4.2.1**   **valid mandatory**
Ensure that the IUT, configured for SUB provided and subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded on network determined user busy,
   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the servedUserSubaddress parameter set to the served user's subaddress as provided by the Called party subaddress information element.
   Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_005   **subclause 9.2.4.2.1**   **valid mandatory**
Ensure that the IUT, configured for CLIP provided and subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the presentation of the calling address is not restricted, to indicate that a call to the served user is forwarded on network determined user busy,
   sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "presentationAllowedAddress" giving the calling party address.
   Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_006   subclause 9.2.4.2.1   valid optional

Ensure that the IUT, configured for CLIP provided and served user's subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the presentation of the calling address is restricted, to indicate that a call to the served user is forwarded on network determined user busy,

    sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "presentationRestricted" .

    Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_007   subclause 9.2.4.2.1   valid optional

Ensure that the IUT, configured for CLIP provided and subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and the presentation of the calling address is not available due to interworking, to indicate that a call to the served user is forwarded on network determined user busy,

    sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with the callingAddress parameter set to "numberNotAvailableDueToInterworking".

    Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_008   subclause 9.2.4.2.1   valid optional

Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", and previous diversions have occurred, to indicate that a call to the served user is forwarded on network determined user busy,

    sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component with a valid originalCalledNr parameter, a valid lastDivertingNr parameter and a valid lastDivertingReason parameter.

    Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N08_009   subclause 9.2.4.2.2   inopportune   mandatory

Ensure that the IUT, having sent a valid DiversionInformation invoke component indicating "cfb", on receipt of a FACILITY message (DCR) containing a Facility information element with a reject component,

    takes no action.

6.2.1.2.2.2.2   UDUB

CDIV_N09_001   subclause 9.2.4.3.1   valid optional

Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information". to indicate that a call to the served user is forwarded on user determined user busy,

    sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfb" and the basicService parameter.

    Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N09_002   subclause 9.2.4.3.1   valid optional

Ensure that the IUT, configured for MSN provided and subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information", to indicate that a call to the served user is forwarded on user determined user busy,

    sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfb" and the basicService parameter and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.

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

    Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

CDIV_N09_003   **subclause 9.2.4.3.1, subclause 10.6**   **valid optional**
Ensure that the IUT, configured for subscription option "served user receives notification that a call has been forwarded" is "yes, with call offering information" and DDI provided, to indicate that a call to the served user is forwarded on user determined user busy,
       sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfb" and the basicService parameter and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
       Selection: T reference point procedures supported. PICS: R 3.2.
       Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFB. PICS: MC 12.2.

6.2.1.2.2.3   **CFNR**

       Selection: CFNR supported. PICS: R 1.1.3.

CDIV_N10_001   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, configured for subscription option "served user receives notification that a call has been forwarded" is "yes, with call offering information" and MSN not provided, on expiry of timer T-CFNR,
       sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfnr" and the basicService parameter.
       Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFNR. PICS: MC 12.3.

CDIV_N10_002   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, configured for subscription option "served user receives notification that a call has been forwarded" is "yes, with call offering information" and MSN provided, on expiry of timer T-CFNR,
       sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfnr" and the basicService parameter and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
       Selection: IUT supports coincident S and T reference point procedures? PICS: R 3.1.
       Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFNR. PICS: MC 12.3.

CDIV_N10_003   **subclause 9.2.4.4.1, subclause 10.6**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, configured for subscription option "served user receives notification that a call has been forwarded" set to "yes, with call offering information" and DDI provided, on expiry of timer T-CFNR,
       sends a FACILITY message (DCR) containing a Facility information element coded as DiversionInformation invoke component only containing the diversionReason parameter set to "cfnr" and the basicService parameter and a Called party information element with the type of number field set to "international", "national", "subscriber" or "unknown", the numbering plan field set to "ISDN numbering plan (CCITT Recommendation E.164)" or "unknown" and the called user's number provided in the number digits field.
       Selection: T reference point procedures supported. PICS: R 3.2.
       Selection: IUT supports the procedures associated with the notification to the served user that a call has been forwarded (with call offering information) for CFNR. PICS: MC 12.3.

CDIV_N10_004   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on expiry of timer T-CFNR,
       sends a DISCONNECT or RELEASE message with cause #31.
       Selection: Network provider option "served user call retention on invocation of diversion" is "clear call on invocation". PICS: SC 1.2.

CDIV_N10_005   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR, on receipt of a
CONNECT message before receiving an indication that the diverted-to network is in the Call Received,
Connect Request or Active states,
>   sends a CONNECT ACKNOWLEDGE message.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_006   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR and the call has not
been offered to the diverted-to user (e.g. network congestion)
>   takes no action, retaining the call in call state N07.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_007   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR,
>   takes no action, retaining the call in call state N07.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_008   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR, on receipt of the
indication that the diverted-to network is in the Call Received call state N07,
>   sends a DISCONNECT or RELEASE message with cause #31.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_009   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR, on receipt of the
indication that the diverted-to network is in the Connect Request call state N08,
>   sends a DISCONNECT or RELEASE message with cause #31.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_0010   **subclause 9.2.4.4.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, after expiry of timer T-CFNR, on receipt of the
indication that the diverted-to network is in the Active state,
>   sends a DISCONNECT or RELEASE message with cause #31.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
>   call until alerting begins at diverted-to user". PICS: SC 1.1.

CDIV_N10_011   **subclause 9.2.4.4.2**   **inopportune   optional**
Ensure that the IUT, configured for subscription option "served user receives notification that a call has
been forwarded" set to "yes, with call offering information", having sent a FACILITY message (DCR)
containing a Facility information element including a DiversionInformation invoke component indicating
"cfnr", on receipt of a FACILITY message (DCR) containing a Facility information element with a reject
component,
>   takes no action.
>   **Selection:**   IUT supports the procedures associated with the notification to the served user that a
>   call has been forwarded (with call offering information) for CFNR. PICS: MC 12.3.

6.2.1.2.2.4   **CD**

> **Selection**:   CD supported. PICS: R 1.2.

CDIV_N11_001   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a
Facility information element coded as CallDeflection invoke component,
> sends a DISCONNECT message, with cause #31 and containing a Facility information element with
> a CallDeflection return result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "clear
> call on invocation". PICS: SC 2.2.

CDIV_N11_002   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component,
> sends a DISCONNECT message with cause #31 and containing a Facility information element with
> a CallDeflection return result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "clear
> call on invocation". PICS: SC 2.2.

CDIV_N11_003   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component,
> sends a DISCONNECT message with cause #31 and containing a Facility information element with
> a CallDeflection return result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "clear
> call on invocation". PICS: SC 2.2.

CDIV_N11_004   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a
Facility information element coded as CallDeflection invoke component,
> sends a FACILITY message with a Facility information element coded as CallDeflection return
> result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
> call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_005   **subclause 9.2.4.5.1, subclause 10.6**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, configured for DDI provided, on receipt of a
FACILITY message containing a Facility information element coded as CallDeflection invoke component,
> sends a FACILITY message containing a correctly coded Called party number information element
> including the called user's number and a Facility information element coded as CallDeflection return
> result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
> call until alerting begins at diverted-to user", PICS: SC 2.1.
> **Selection:**   T reference point procedures supported. PICS: R 3.2.

CDIV_N11_006   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component,
> sends a FACILITY message containing a Facility information element coded as CallDeflection
> return result component.
> **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain
> call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_007   **subclause 9.2.4.5.1, subclause 10.6**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, configured for DDI provided, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component,
>   sends a FACILITY message containing a correctly coded Called party number information element including the called user's number and a Facility information element coded as CallDeflection return result component.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user", PICS: SC 2.1.
>   **Selection:**   T reference point procedures supported. PICS: R 3.2.

CDIV_N11_008   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component,
>   sends a FACILITY message containing a Facility information element coded as CallDeflection return result component.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_009   **subclause 9.2.4.5.1, subclause 10.6**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, configured for DDI provided, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component,
>   sends a FACILITY message containing a correctly coded Called party number information element including the called user's number and a Facility information element coded as CallDeflection return result component.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user", PICS: SC 2.1.
>   **Selection:**   T reference point procedures supported. PICS: R 3.2.

CDIV_N11_010   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of an ALERTING message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call state,
>   takes no action.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_011   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of an ALERTING message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call states,
>   takes no action.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_012   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of an ALERTING message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call states,
>   takes no action.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_013   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of the indication that the diverted-to network is in the Call Received call state N07 and if the call to the served user is deflected,
>   sends a DISCONNECT or RELEASE message with cause #31.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_014　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of the indication that the diverted-to network is in the Call Received call state N07 and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_015　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of the indication that the diverted-to network is in the Call Received call state N07 and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_016　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of the indication that the diverted-to network is in the Connect Request call state N08 and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_017　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of the indication that the diverted-to network is in the Connect Request call state N08 and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_018　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of the indication that the diverted-to network is in the Connect Request call state N08 and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_019　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of the indication that the diverted-to network is in the Active state and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_020　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of the indication that the diverted-to network is in the Active state and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_021　　　　**subclause 9.2.4.5.1**　　　　**valid　optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of the indication that the diverted-to network is in the Active state and if the call to the served user is deflected,
　　　sends a DISCONNECT or RELEASE message with cause #31.
　　　Selection:　Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_022   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of a CONNECT message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call state and if the call to the served user is deflected,
>   sends a CONNECT ACKNOWLEDGE message.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_023   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a CONNECT message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call state and if the call to the served user is deflected,
>   sends a CONNECT ACKNOWLEDGE message.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_024   **subclause 9.2.4.5.1**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a CONNECT message before receiving an indication that the deflected call is in the Call Received, Connect Request or Active call state and if the call to the served user is deflected,
>   sends a CONNECT ACKNOWLEDGE message.
>   **Selection**:   Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 2.1.

CDIV_N11_025   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service has not been subscribed to for the indicated basic service,
>   sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notSubscribed".

CDIV_N11_026   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service is not available for the indicated basic service,
>   sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notAvailable".

CDIV_N11_027   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the provision of the call deflection supplementary service activation is constrained by an interactions procedure,
>   sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N11_028   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number cannot be accepted,
>   sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "InvalidDivertedToNr".

CDIV_N11_029   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number identifies a special service number and forwarding is prohibited to this special service number,
>   sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "SpecialServiceNr".

CDIV_N11_030 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number is identical to the ISDN number identifying the served user,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "DiversionToServedUserNr".

CDIV_N11_031 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the limit of the number of diversions has already been reached,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "NumberOfDiversionsExceeded".

CDIV_N11_032 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflection activation request is overruled by a basic call procedure,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "IncomingCallAccepted".

CDIV_N11_033 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflection activation request is received whilst another request is being processed,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "RequestAlreadyAccepted".

CDIV_N11_034 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service has not been subscribed to for the indicated basic service,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notSubscribed".

CDIV_N11_035 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service is not available for the indicated basic service,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notAvailable".

CDIV_N11_036 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the provision of the call deflection supplementary service activation is constrained by an interactions procedure,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N11_037 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number cannot be accepted,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "InvalidDivertedToNr".

CDIV_N11_038 subclause 9.2.4.5.2 inopportune mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number identifies a special service number and forwarding is prohibited to this special service number,
  sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "SpecialServiceNr".

CDIV_N11_039   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number is identical to the ISDN number identifying the served user,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "DiversionToServedUserNr".

CDIV_N11_040   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the limit of the number of diversions has already been reached,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "NumberOfDiversionsExceeded".

CDIV_N11_041   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflection activation request is overruled by a basic call procedure,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "IncomingCallAccepted".

CDIV_N11_042   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflection activation request is received whilst another request is being processed,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "RequestAlreadyAccepted".

CDIV_N11_043   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service has not been subscribed to for the indicated basic service,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notSubscribed".

CDIV_N11_044   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the call deflecting supplementary service is not available for the indicated basic service,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "notAvailable".

CDIV_N11_045   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the provision of the call deflection supplementary service activation is constrained by an interactions procedure,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N11_046   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number cannot be accepted,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "InvalidDivertedToNr".

CDIV_N11_047   **subclause 9.2.4.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a Facility information element coded as CallDeflection invoke component and if the indicated deflected-to number identifies a special service number and forwarding is prohibited to this special service number,
> sends a FACILITY message containing a Facility information element with a valid CallDeflection return error component indicating "SpecialServiceNr".

CDIV_N11_048   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component and if the indicated
deflected-to number is identical to the ISDN number identifying the served user,
      sends a FACILITY message containing a Facility information element with a valid CallDeflection
      return error component indicating "DiversionToServedUserNr".

CDIV_N11_049   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component and if the limit of the
number of diversions has already been reached,
      sends a FACILITY message containing a Facility information element with a valid CallDeflection
      return error component indicating "NumberOfDiversionsExceeded".

CDIV_N11_050   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component and if the call
deflection activation request is overruled by a basic call procedure,
      sends a FACILITY message containing a Facility information element with a valid CallDeflection
      return error component indicating "IncomingCallAccepted".

CDIV_N11_051   **subclause 9.2.4.5.2**   **inopportune   mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a Facility information element coded as CallDeflection invoke component and if the call
deflection activation request is received whilst another request is being processed,
      sends a FACILITY message containing a Facility information element with a valid CallDeflection
      return error component indicating "RequestAlreadyAccepted".

6.2.2   S/T Only

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

6.2.2.1   Served user procedures

6.2.2.1.1   ETS 300 207-1, subclause 9.3

CDIV_N12_001   **subclause 9.3.1**   **valid optional**
Ensure that the IUT, configured for subscription option "served user receives reminder notification on
outgoing calls that forwarding is currently activated" set to "yes", on receipt of a valid SETUP message
indicating in the Bearer capability information element the same basic service as call diversion is activated
for,
      returns a SETUP ACKNOWLEDGE or a CALL PROCEEDING message including a Notification
      information element with the notification description set to "diversion activated".
      Selection: IUT supports "served user receives reminder notification on outgoing calls that
                  forwarding is currently activated". PICS: MC 27.1 OR MC 27.2 OR MC 27.3.

6.2.2.2   Called (diverted-to) user procedures

6.2.2.2.1   ETS 300 207-1, subclause 9.2.5

CDIV_N13_001   **subclause 9.2.5.1**   **valid mandatory**
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received
that the presentation of the number is allowed and only one call diversion occurred,
      sends a SETUP message containing one valid Redirecting number information element giving the
      reason for the call diversion with the presentation indicator set to "presentation allowed" and the
      redirecting number information provided in the number digits field.

CDIV_N13_002   **subclause 9.2.5.1**   **valid mandatory**
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received
that the presentation of the number is restricted and only one call diversion occurred,
      sends a SETUP message containing one valid Redirecting number information element giving the
      reason for the call diversion with the presentation indicator set to "presentation restricted".

CDIV_N13_003 subclause 9.2.5.1 valid mandatory
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received that the diverted-to number is not available and only one call diversion occurred,
> sends a SETUP message containing one valid Redirecting number information element giving the reason for the call diversion with the presentation indicator set to "number not available due to interworking" and without a number digits field.

CDIV_N13_004 subclause 9.2.5.1 valid mandatory
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received that the presentation of the number is allowed and more than one call diversions occurred,
> sends a SETUP message containing two valid Redirecting number information elements giving the reason for the last call diversion in the second occurrence of the information element (the first reason for diversion field set to "unknown") with the presentation indicator set to "presentation allowed" and the redirecting number information provided in the number digits field.

CDIV_N13_005 subclause 9.2.5.1 valid mandatory
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received that the presentation of the number is restricted and more than one call diversions occurred
> sends a SETUP message containing two valid Redirecting number information elements giving the reason for the last call diversion in the second occurrence of the information element (the first reason for diversion field set to "unknown") with the presentation indicator set to "presentation restricted".

CDIV_N13_006 subclause 9.2.5.1 valid mandatory
Ensure that the IUT, in order to establish the call to the diverted-to user and if the indication is received that the diverted-to number is not available and more than one call diversions occurred,
> sends a SETUP message containing two valid Redirecting number information elements giving the reason for the last call diversion in the second occurrence of the information element (the first reason for diversion field set to "unknown") with the presentation indicator set to "number not available due to interworking" and without a number digits field.

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

CDIV_N14_001 subclause 10.1.1 valid mandatory
Ensure that the IUT, in the Call Present call state N06, on receipt of a FACILITY message containing a Facility information element with a DivertingLegInformation1 invoke component,
> does not respond to this invoke component and remains in state N06.

CDIV_N14_002 subclause 10.1.1 valid mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a Facility information element with a DivertingLegInformation1 invoke component,
> does not respond to this invoke component and remains in state N07.

CDIV_N14_003 subclause 10.1.1 valid mandatory
Ensure that the IUT, in the Connect Request call state N08, on receipt of a FACILITY message containing a Facility information element with a DivertingLegInformation1 invoke component,
> does not respond to this invoke component and remains in state N08.

CDIV_N14_004 subclause 10.1.1 valid mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a Facility information element with a DivertingLegInformation1 invoke component,
> does not respond to this invoke component and remains in state N09.

CDIV_N14_005 subclause 10.1.1 valid mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a PROGRESS message containing a Facility information element with a DivertingLegInformation1 invoke component,
> does not respond to this invoke component and remains in state N07.

CDIV_N14_006   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a PROGRESS message
containing a Facility information element with a DivertingLegInformation1 invoke component,
 does not respond to this invoke component and remains in state N09.

CDIV_N14_007   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a ALERTING message containing a
Facility information element with a DivertingLegInformation1 invoke component,
 does not respond to this invoke component and enters state N07.

CDIV_N14_008   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a ALERTING message
containing a Facility information element with a DivertingLegInformation1 invoke,
 does not respond to this invoke component and enters state N07.

CDIV_N14_009   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a FACILITY message containing a
Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and remains in state N06.

CDIV_N14_010   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a
Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and remains in state N07.

CDIV_N14_011   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Connect Request call state N08, on receipt of a FACILITY message containing
a Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and remains in state N08.

CDIV_N14_012   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message
containing a Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and remains in state N09.

CDIV_N14_013   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a ALERTING message containing a
Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and enters state N07.

CDIV_N14_014   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a ALERTING message
containing a Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and enters state N07.

CDIV_N14_015   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a CONNECT message containing a
Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and enters state N08.

CDIV_N14_016   subclause 10.1.1   **valid mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a CONNECT message containing a
Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
 does not respond to this invoke component and enters state N08.

CDIV_N14_017   **subclause 10.1.1**   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a CONNECT message
containing a Facility information element with a DivertingLegInformation3 invoke component and if a
DivertingLegInformation1 invoke component has already been received,
     does not respond to this invoke component and enters state N08.

6.2.3.2   ETS 300 207-1, subclause 10.2

CDIV_N15_001   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Null call state N00 in order to present a diverted call to the private 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 parameters and if more than one diversion
     occurred, the originalCalledNr parameter.

CDIV_N15_002   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a FACILITY message containing a
Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and remains in state N06.

CDIV_N15_003   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a
Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and remains in state N07.

CDIV_N15_004   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Connect Request call state N08, on receipt of a FACILITY message containing
a Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and remains in state N08.

CDIV_N15_005   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message
containing a Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and remains in state N09.

CDIV_N15_006   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a ALERTING message containing a
Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and enters state N07.

CDIV_N15_007   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a ALERTING message
containing a Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and enters state N07.

CDIV_N15_008   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Present call state N06, on receipt of a CONNECT message containing a
Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and enters state N08.

CDIV_N15_009   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Call Received call state N07, on receipt of a CONNECT message containing a
Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and enters state N08.

CDIV_N15_010   **subclause 10.2.1**   **valid mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a CONNECT message
containing a Facility information element with a DivertingLegInformation3 invoke component,
     does not respond to this invoke component and enters state N08.

CDIV_N15_011   **subclause 10.2.2**   **inopportune**   **mandatory**
Ensure that the IUT, having sent a SETUP message containing a Facility information element including a DivertingLegInformation2 invoke component, on receipt of a reject component,
     accepts the information and continues with call establishment.

6.2.3.3   ETS 300 207-1, subclause 10.4

CDIV_N16_001   **subclause 10.4.1**   **valid mandatory**
Ensure that the IUT, in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element,
     continues normal call handling and returns 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 (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.

CDIV_N16_002   **subclause 10.4.2**   **inopportune**   **mandatory**
Ensure that the IUT, on receipt of a reject component as answer to a DivertingLegInformation3 invoke component,
     accepts the information and continues with call establishment.

6.2.3.4   ETS 300 207-1, subclause 10.5

CDIV_N17_001   **subclause 10.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
     sends a FACILITY message containing a Facility information element with a CallRerouteing return result component.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_002   **subclause 10.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
     sends a FACILITY message containing a Facility information element with a CallRerouteing return result component.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_003   **subclause 10.5.1**   **valid optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
     sends a FACILITY message containing a Facility information element with a CallRerouteing return result component.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_004   **subclause 10.5.1**   **valid optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of the indication that the diverted-to user is alerting or has answered,
     sends a DISCONNECT message with the cause information element indicating cause #31.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_005   **subclause 10.5.1**   **valid optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of the indication that the diverted-to user is alerting or has answered,
     sends a DISCONNECT message with the cause information element indicating cause #31.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_006 subclause 10.5.1 valid optional
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of the indication that the diverted-to user is alerting or has answered,
      sends a DISCONNECT message with the cause information element indicating cause #31.
      Selection: Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_007 subclause 10.5.1 valid optional
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
      sends a DISCONNECT message with the cause information element indicating cause #31 and containing a Facility information element with a CallRerouteing return result component.
      Selection: Network provider option "served user call retention on invocation of diversion" is "clear call on invocation of diversion". PICS: SC 3.2.

CDIV_N17_008 subclause 10.5.1 valid optional
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
      sends a DISCONNECT message with the cause information element indicating cause #31 and containing a Facility information element with a CallRerouteing return result component.
      Selection: Network provider option "served user call retention on invocation of diversion" is "clear call on invocation of diversion". PICS: SC 3.2.

CDIV_N17_009 subclause 10.5.1 valid optional
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element,
      sends a DISCONNECT message with the cause information element indicating cause #31 and containing a Facility information element with a CallRerouteing return result component.
      Selection: Network provider option "served user call retention on invocation of diversion" is "clear call on invocation of diversion". PICS: SC 3.2.

CDIV_N17_010 subclause 10.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service has not been subscribed to,
      sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notSubscribed".

CDIV_N17_011 subclause 10.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service is not available,
      sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notAvailable".

CDIV_N17_012 subclause 10.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the provision of the call forwarding supplementary service activation is precluded by an interworking procedure,
      sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N17_013 subclause 10.5.2 inopportune mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the resources required to perform adequately the requested call forwarding supplementary service are not available,
      sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "resourceUnavailable".

CDIV_N17_014   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number cannot be accepted,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "InvalidDivertedToNr".

CDIV_N17_015   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number identifies a special service number and forwarding is prohibited to this special service number,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "SpecialServiceNr".

CDIV_N17_016   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number is identical to the ISDN number identifying the served user,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "DiversionToServedUserNr".

CDIV_N17_017   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Call Received call state N07, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the limit on the number of diversions has already been reached,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "NumberOfDiversionsExceeded".

CDIV_N17_018   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service has not been subscribed to,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notSubscribed".

CDIV_N17_019   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service is not available,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notAvailable".

CDIV_N17_020   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the provision of the call forwarding supplementary service activation is precluded by an interworking procedure,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N17_021   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the resources required to perform adequately the requested call forwarding supplementary service are not available,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "resourceUnavailable".

CDIV_N17_022   subclause 10.5.2   inopportune   mandatory
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number cannot be accepted,
sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "InvalidDivertedToNr".

CDIV_N17_023   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number identifies a special service number and forwarding is prohibited to this special service number,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "SpecialServiceNr".

CDIV_N17_024   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number is identical to the ISDN number identifying the served user,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "DiversionToServedUserNr".

CDIV_N17_025   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the limit on the number of diversions has already been reached,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "NumberOfDiversionsExceeded".

CDIV_N17_026   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service has not been subscribed to,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notSubscribed".

CDIV_N17_027   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the requested call forwarding supplementary service is not available,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "notAvailable".

CDIV_N17_028   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the provision of the call forwarding supplementary service activation is precluded by an interworking procedure,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "supplementaryServiceInteractionNotAllowed".

CDIV_N17_029   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the resources required to perform adequately the requested call forwarding supplementary service are not available,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "resourceUnavailable".

CDIV_N17_030   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message containing a CallRerouteing invoke component in the Facility information element and if the indicated forwarded-to number cannot be accepted,
> sends a FACILITY message containing in the Facility information element a CallRerouteing error component indicating "InvalidDivertedToNr".

CDIV_N17_031   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a CallRerouteing invoke component in the Facility information element and if the indicated
forwarded-to number identifies a special service number and forwarding is prohibited to this special
service number,
     sends a FACILITY message containing in the Facility information element a CallRerouteing error
     component indicating "SpecialServiceNr".

CDIV_N17_032   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a CallRerouteing invoke component in the Facility information element and if the indicated
forwarded-to number is identical to the ISDN number identifying the served user,
     sends a FACILITY message containing in the Facility information element a CallRerouteing error
     component indicating "DiversionToServedUserNr".

CDIV_N17_033   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of a FACILITY message
containing a CallRerouteing invoke component in the Facility information element and if the limit on the
number of diversions has already been reached,
     sends a FACILITY message containing in the Facility information element a CallRerouteing error
     component indicating "NumberOfDiversionsExceeded".

CDIV_N17_034   **subclause 10.5.2**   **inopportune**   **optional**
Ensure that the IUT, in the Call Received call state N07, on receipt of the indication that call to the
diverted-to user fails,
     takes no action and remains in state N07.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain
              call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_035   **subclause 10.5.2**   **inopportune**   **optional**
Ensure that the IUT, in the Incoming Call Proceeding call state N09, on receipt of the indication that call to
the diverted-to user fails,
     takes no action and remains in state N09.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain
              call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_036   **subclause 10.5.2**   **inopportune**   **optional**
Ensure that the IUT, in the Overlap Receiving call state N25, on receipt of the indication that call to the
diverted-to user fails,
     takes no action and remains in state N25.
     Selection: Network provider option "served user call retention on invocation of diversion" is "retain
              call until alerting begins at diverted-to user". PICS: SC 3.1.

CDIV_N17_037   **subclause 10.5.2**   **inopportune**   **mandatory**
Ensure that the IUT, having sent a CallRerouteing component, on receipt of a FACILITY message
containing a Facility information element with a reject component,
     takes no action.

6.2.4   Interworking

CDIV_N24_001   **subclause 11**   **valid mandatory**
Ensure that the IUT, while in the Call Received call state N07 and after the call has been forwarded using
the CFNR supplementary service and the forwarded portion of the call encounters interworking,
     sends a PROGRESS message containing a Progress indicator information element indicating
     in-band tones and announcements to the calling user.

CDIV_N24_002   **subclause 11**   **valid optional**
Ensure that the IUT, while in the Call Received call state N07 after forwarding the call using the CFNR
supplementary service and an indication of interworking has been received,
     sends a DISCONNECT or RELEASE message with cause #16 to the served user.
     Selection: CFNR supported and Network provider option "served user call retention on invocation
              of diversion" is "retain call until alerting begins at diverted-to user", PICS: SC 1.1.

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 300 207-1 [1].

History

Document history			
October 1995	Public Enquiry	PE 94:	1995-10-23 to 1996-02-16
June 1996	Converted into Adobe Acrobat Portable Document Format (PDF)		