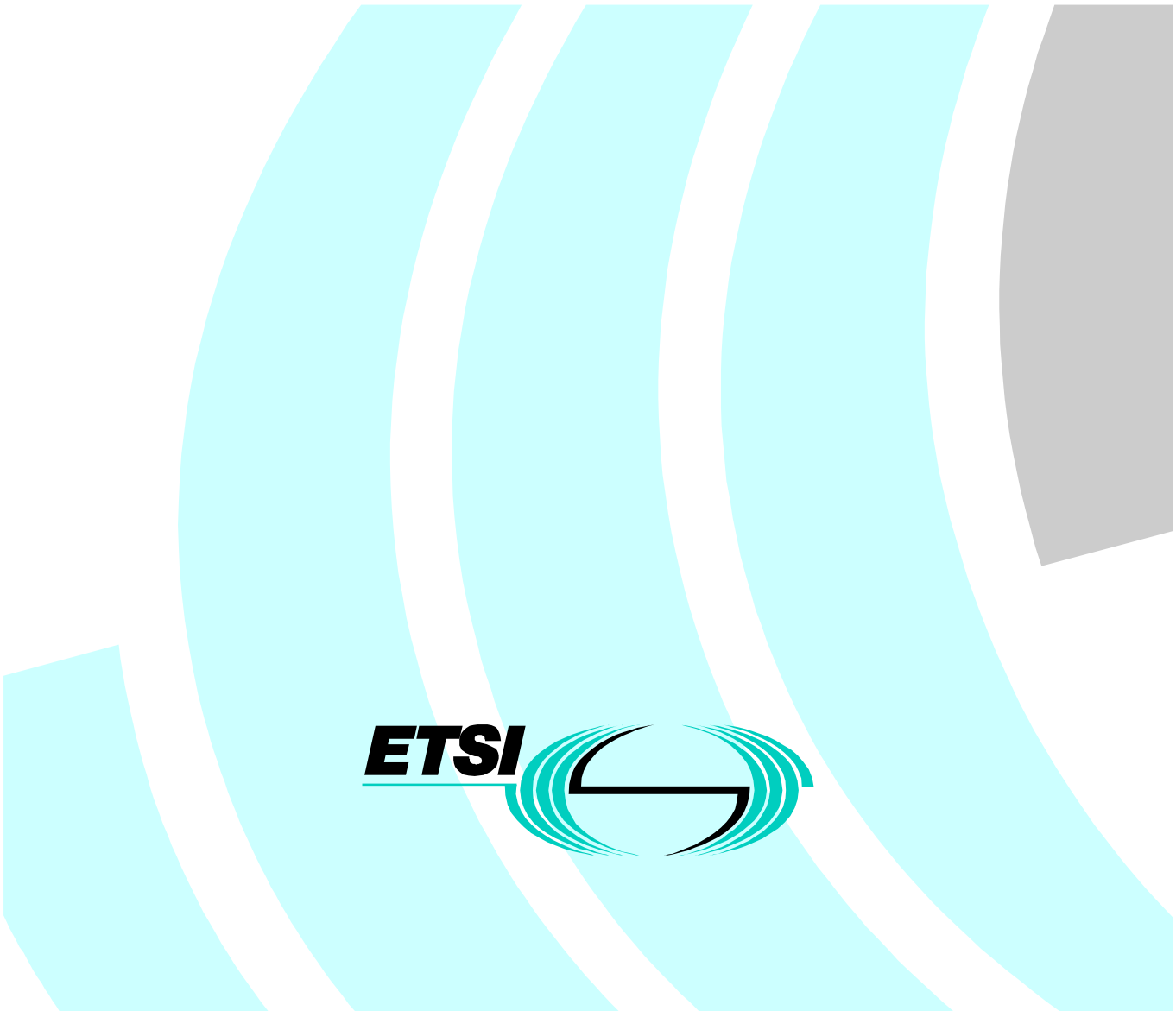
Final draft EN 300 207-3 V1.3.1 (1999-03)

European Standard (Telecommunications series)

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



Reference
REN/SPS-05065-3 (1x0r0j0o.PDF)

Keywords
ISDN, DSS1, supplementary service, TSS&TP,
user, CF

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Contents

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Foreword

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

The present document is part 3 of a multi-part European Standard (Telecommunications series) 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: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";

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

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

1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for the User side of the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [7]) of implementations conforming to the stage three standard for the diversion supplementary services for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, EN 300 207-1 [1].

A further part of the present document specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on the present document. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the Network side of the T reference point or coincident S and T reference point of implementations conforming to EN 300 207-1 [1].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[2] EN 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 - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[4] ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification".

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

[6] EN 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[7] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces – Reference configurations".

[8] EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".

[9] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".

[10] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".

[11] ITU-T Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them".

[12] EN 300 403-3: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 3: Protocol Implementation Conformance Statement (PICS) proforma specification".

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

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

3 Definitions and abbreviations

3.1 Definitions

3.1.1 Definitions related to conformance testing

For the purposes of the present document, the following terms and definitions apply:

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

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

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

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

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

point of control and observation: refer to ISO/IEC 9646-1 [3].

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

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

Protocol Implementation eXtra Information for Testing (PIXIT): refer to ISO/IEC 9646-1 [3].

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

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

Test Purpose (TP): refer to ISO/IEC 9646-1 [3].

3.1.2 Definitions related to EN 300 207-1

For the purposes of the present document, the following terms and definitions apply:

call reference: see EN 300 403-1-1 [8], subclause 4.3.

component: see EN 300 196-1 [6], subclause 11.2.2.1.

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

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

invoke component: see EN 300 196-1 [6], subclause 11.2.2.1.

return error component: see EN 300 196-1 [6], subclause 11.2.2.1.

return result component: see EN 300 196-1 [6], subclause 11.2.2.1.

served user: user who invokes the call diversion supplementary service.

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

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

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

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

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

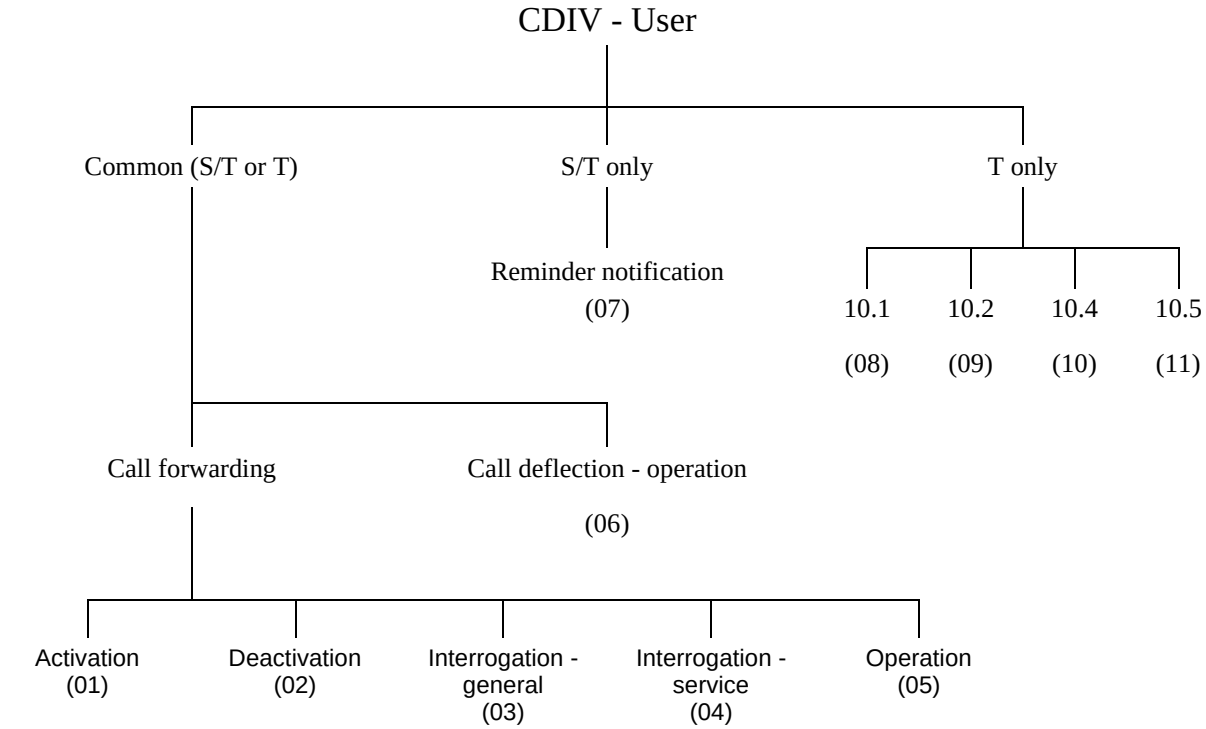
3.2 Abbreviations

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

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

4 Test Suite Structure (TSS)

4.1 TSS for call diversion excluding SCF



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

Figure 1: Test suite structure

4.2 TSS for SCF

Signalling procedures at the coincident S and T reference point

SCFB supplementary service

Activation	U01
Deactivation	U02

SCFU supplementary service

Activation	U03
Deactivation	U04

SCFNR supplementary service	
Activation	U05
Deactivation	U06
Interrogation - SCF	U07
Interrogation - screening list	U08

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

5 Test Purposes (TP)

5.1 Introduction

For each test requirement a TP is defined.

5.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

Identifier: **<ss>_<iut><group>_[<service>_]<nnn>**

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

5.1.2 Source of TP definition

The TPs are based on EN 300 207-1 [1].

5.1.3 TP structure

A particular structure, compatible with ETS 300 406 [14] has been used and this is illustrated in table 2. This table should be read in conjunction with any TP, i.e. use a TP as an example to fully understand the table.

Table 2: Structure of a single TP

TP Part	Text	Example
Header	TP Identifier Reference to the subclause of the base specification containing the conformance requirement. Reference to selection criteria	see table 1 subclause 9.1.1 see **NOTE 1**
Stimulus	Ensure that the IUT in the <basic call state> and <supplementary service state> <trigger> *see below for message structure* *or* <goal>	 U00, U10 etc. SCNFR Wait Deactivation state receiving a XXXX message to request a ...
Reaction	<action> <conditions> *if the action is sending* *see below for message structure* <next action>, *etc.* and enters <supplementary service state> *and/or* and remains in the same call state(s) *or* and enters call state <state>	sends, saves, does, etc. using en-bloc sending, ...
Message structure	<message type> message containing a *a)* <info element> information element with *b)* a <field name> encoded as *or* including <coding of the field> and *back to a or b,*	SETUP, FACILITY, CONNECT, ... Bearer capability, Facility, ... see **NOTE 2**
Selection	Selection criteria reference	Call forwarding supported. PICS: R 1.3
NOTE 1: In order to use the same structure as for test group selection, the selection criteria is indicated at the bottom of the test purpose. NOTE 2: Unless specified the messages are valid and contain at least the mandatory information elements and possibly optional information elements, the information elements are valid and contain at least the mandatory parameters and possibly optional parameters.		

5.1.4 Test strategy

The TPs were generated as a result of an analysis of the base standard EN 300 207-1 [1] and the PICS specification EN 300 207-2 [2].

The TPs are only based on conformance requirements related to the externally observable behaviour of the IUT, and are limited to conceivable situations to which a real implementation is likely to be faced (ETS 300 406 [14]).

All the test purposes are mandatory unless they have a selection criteria. Optional test purposes (with selection criteria), are applicable according to the configuration options of the IUT. The configuration option shall be covered by a PICS item.

5.2 User TPs for call diversion

5.2.1 Common S/T or T

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

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

5.2.1.1 Call forwarding

Selection: Call forwarding supported. PICS: R 1.1.

<service> = CFB or CFNR or CFU

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

5.2.1.1.1 Activation

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

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

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

CDIV_U01_<service>_004 subclause 9.1.1.1
Ensure that the IUT in call state U00 and in the <service> Idle state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

CDIV_U01_<service>_005 subclause 9.1.1.1
Ensure that the IUT in call state U00 and in the <service> Activation Request state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CDIV_U01_<service>_020 subclause 9.1.1.1
Ensure that the IUT in call state U10 and in the <service> Idle state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

CDIV_U01_<service>_021 subclause 9.1.1.1
Ensure that the IUT in call state U10 and in the <service> Activation Request state, on receipt of a <service> ActivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

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

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

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

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

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

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

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

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

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

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

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

5.2.1.1.2 Deactivation

CDIV_U02_<service>_001 subclause 9.1.2.1
Ensure that the IUT in call state U00 in order to deactivate the call forwarding supplementary service,
sends a <service> DeactivationDiversion invoke component in the Facility information element of a FACILITY message using the dummy call reference and enters the <service> Wait Deactivation state.

CDIV_U02_<service>_002 subclause 9.1.2.1
Ensure that the IUT in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationDiversion return result component in the Facility information element of a FACILITY message using the dummy call reference,
enters the <service> Idle state.

CDIV_U02_<service>_003 subclause 9.1.2.1
Ensure that the IUT in call state U00 and in the <service> Idle state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

CDIV_U02_<service>_004 subclause 9.1.2.1
Ensure that the IUT in call state U00 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

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

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

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

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

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

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

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

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

CDIV_U02_<service>_013 subclause 9.1.2.1
Ensure that the IUT in call state U10 and in the <service> Idle state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

CDIV_U02_<service>_014 subclause 9.1.2.1
Ensure that the IUT in call state U10 and in the <service> Wait Deactivation state, on receipt of a <service> DeactivationStatusNotificationDiv invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond and remains in the same states.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

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

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

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

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

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

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

5.2.1.1.3 Interrogation - general

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

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

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

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

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

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

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

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

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

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

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

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

5.2.1.1.4 Interrogation - service

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5.2.1.1.5 Operation

<service> = CFB or CFU

CDIV_U05_<service>_001 subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1
Ensure that the IUT in call state U00 and in the <service> Idle state, on receipt of a valid <service> DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond.

Selection: support broadcast (bearer independent) connectionless transport mechanism? PICS: MCu 2.7 in EN 300 196-2 [13].

CDIV_U05_<service>_002 subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1
Ensure that the IUT in call state U00 and in the <service> Idle state, on receipt of a valid <service> DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via point-to-point data link,
accepts the provided information and does not respond.

Selection: support point-to-point (bearer independent) connectionless transport mechanism? PICS: MCu 2.6 in EN 300 196-2 [13].

CDIV_U05_<service>_003 subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1
Ensure that the IUT in call state U10 and in the <service> Idle state, on receipt of a valid <service> DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond.

Selection: support broadcast (bearer independent) connectionless transport mechanism? PICS: MCu 2.7 in EN 300 196-2 [13].

CDIV_U05_<service>_004 subclauses 9.2.4.1.1, 9.2.4.2.1, 9.2.4.3.1
Ensure that the IUT in call state U10 and in the <service> Idle state, on receipt of a valid <service> DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via point-to-point data link,
accepts the provided information and does not respond.

Selection: support point-to-point (bearer independent) connectionless transport mechanism? PICS: MCu 2.6 in EN 300 196-2 [13].

CDIV_U05_CFNR_001 subclause 9.2.4.4.1
Ensure that the IUT in call state U07 and in the CFNR Idle state, on receipt of a valid CFNR DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via broadcast data link,
accepts the provided information and does not respond.

Selection: support broadcast (bearer independent) connectionless transport mechanism? PICS: MCu 2.7 in EN 300 196-2 [13].

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U05_CFNR_002 subclause 9.2.4.4.1
Ensure that the IUT in call state U07 and in the CFNR Idle state, on receipt of a valid CFNR DiversionInformation invoke component in the Facility information element of a FACILITY message using the dummy call reference via point-to-point data link,
accepts the provided information and does not respond.

Selection: support point-to-point (bearer independent) connectionless transport mechanism? PICS: MCu 2.6 in EN 300 196-2 [13].

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

5.2.1.2 Call deflection - operation

Selection: Call deflection supported. PICS: R 1.2.

CDIV_U06_001 subclause 9.2.4.5.1
Ensure that the IUT in call state U07 in order to invoke the call deflection supplementary service,
sends a CallDeflection invoke component in the Facility information element of a FACILITY message and enters the Deflecting state.

Selection: IUT supports basic access, point-to-multipoint configuration? PICS: R 7.2 [12].

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_002 subclause 9.2.4.5.1

Ensure that the IUT in call state U09 in order to invoke the call deflection supplementary service,
sends a CallDeflection invoke component in the Facility information element of a FACILITY message and enters the Deflecting state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_003 subclause 9.2.4.5.1

Ensure that the IUT in call state U25 in order to invoke the call deflection supplementary service,
sends a CallDeflection invoke component in the Facility information element of a FACILITY message and enters the Deflecting state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

CDIV_U06_004 subclause 9.2.4.5.1

Ensure that the IUT in call state U07 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_005 subclause 9.2.4.5.1

Ensure that the IUT in call state U07 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a DISCONNECT message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_006 subclause 9.2.4.5.1

Ensure that the IUT in call state U09 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_007 subclause 9.2.4.5.1

Ensure that the IUT in call state U09 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a DISCONNECT message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_008 subclause 9.2.4.5.1

Ensure that the IUT in call state U25 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

CDIV_U06_009 subclause 9.2.4.5.1

Ensure that the IUT in call state U25 and Deflecting state, on receipt of a CallDeflection return result component in the Facility information element of a DISCONNECT message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

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

CDIV_U06_010 subclause 9.2.4.5.2

Ensure that the IUT in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "notSubscribed", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_011 subclause 9.2.4.5.2
Ensure that the IUT in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "notAvailable", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_012 subclause 9.2.4.5.2
Ensure that the IUT in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "InvalidDivertedToNr", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

CDIV_U06_013 subclause 9.2.4.5.2
Ensure that the IUT in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "SpecialServiceNr", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_014 subclause 9.2.4.5.2
Ensure that the IUT in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "DiversionToServedUserNr", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_015 subclause 9.2.4.5.2
Ensure that the IUT in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "IncomingCallAccepted", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

CDIV_U06_016 subclause 9.2.4.5.2
Ensure that the IUT in call state U07 and Deflecting state, on receipt of a CallDeflection return error component, indicating "NumberOfDiversionsExceeded", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U07. PICS: MTu 1 in EN 300 403-3 [12].

CDIV_U06_017 subclause 9.2.4.5.2
Ensure that the IUT in call state U09 and Deflecting state, on receipt of a CallDeflection return error component, indicating "supplementaryServiceInteractionNotAllowed", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U09. PICS: MTu 2 in EN 300 403-3 [12].

CDIV_U06_018 subclause 9.2.4.5.2
Ensure that the IUT in call state U25 and Deflecting state, on receipt of a CallDeflection return error component, indicating "RequestAlreadyAccepted", in the Facility information element of a FACILITY message,
accepts the provided information and enters the Call Deflection Idle state.

Selection: IUT supports U25. PICS: MCu 2.2 in EN 300 403-3 [12].

5.2.2 S/T only

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

5.2.2.1 Reminder notification

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

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

5.2.3 T only

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

5.2.3.1 EN 300 207-1, subclause 10.1

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

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

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

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

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

5.2.3.2 EN 300 207-1, subclause 10.2

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

CDIV_U09_001 subclause 10.2.1
Ensure that the IUT in call state U00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element,
continues normal call handling and sends a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING or CONNECT message.

CDIV_U09_002 subclause 10.2.2
Ensure that the IUT on receipt of a FACILITY message with a Facility information element containing a reject component (resource-limitation) in response to a DivertingLegInformation3 component,
accepts this information and continues with call establishment.

5.2.3.3 EN 300 207-1, subclause 10.4

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

CDIV_U10_001 subclause 10.4.1

Ensure that the IUT in call state U00 in order to present a diverted call to the public ISDN,

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

CDIV_U10_002 subclause 10.4.1

Ensure that the IUT in call state U01 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,

does not respond to this invoke component and remains in call state U01 and enters the Idle state.

CDIV_U10_003 subclause 10.4.1

Ensure that the IUT in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,

does not respond to this invoke component and remains in call state U03 and enters the Idle state.

CDIV_U10_004 subclause 10.4.1

Ensure that the IUT in call state U04 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a FACILITY message,

does not respond to this invoke component and remains in call state U04 and enters the Idle state.

CDIV_U10_005 subclause 10.4.1

Ensure that the IUT in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a ALERTING message,

does not respond to this invoke component and enters call state U04 and enters the Idle state.

CDIV_U10_006 subclause 10.4.1

Ensure that the IUT in call state U03 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a CONNECT message,

does not respond to this invoke component and enters call state U10 and enters the Idle state.

CDIV_U10_007 subclause 10.4.1

Ensure that the IUT in call state U04 and the Private Network Diverting state, on receipt of a DivertingLegInformation3 invoke component in the Facility information element of a CONNECT message,

does not respond to this invoke component and enters call state U10 and enters the Idle state.

CDIV_U10_08 subclause 10.4.2

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

accepts this information and continues with call establishment.

5.2.3.4 EN 300 207-1, subclause 10.5

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

CDIV_U11_001 subclause 10.5.1

Ensure that the IUT on receipt of a SETUP message, to request diversion by partial rerouteing,

sends a FACILITY message containing in the Facility information element a valid CallRerouteing invoke component in call state U07, U09 or U25 and enters the Wait Route state.

CDIV_U11_002 subclause 10.5.1

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

accepts the information and enters the Idle state.

CDIV_U11_003 subclause 10.5.1
Ensure that the IUT in the Wait Route state on receipt of a DISCONNECT message containing in the Facility information element a valid CallRerouteing return result component and a Cause information element with cause #31,
accepts the information, responds with a RELEASE message and enters the Idle state and call state U19.

CDIV_U11_004 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "notSubscribed",
accepts the information and enters the Idle state.

CDIV_U11_005 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "notAvailable",
accepts the information and enters the Idle state.

CDIV_U11_006 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "supplementaryServiceInteractionNotAllowed",
accepts the information and enters the Idle state.

CDIV_U11_007 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "resourceUnavailable",
accepts the information and enters the Idle state.

CDIV_U11_008 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "InvalidDivertedToNr",
accepts the information and enters the Idle state.

CDIV_U11_009 subclause 10.5.2
Ensure that the IUT in the Wait Route state on receipt of a FACILITY message containing in the Facility information element a valid CallRerouteing return error component, indicating "SpecialServiceNr",
accepts the information and enters the Idle state.

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

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

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

5.3 User TPs for SCF

All PICS items referred to in this subclause are as specified in EN 300 207-2 [2] unless indicated otherwise by another numbered reference.

Unless specified the FACILITY messages are transmitted using the point to point connectionless bearer independant transport mechanism (dummy call reference, DL-DATA-REQUEST) as specified in subclause 8.3.2.2 of EN 300 196-1 [6]. Where the broadcast connectionless bearer independant transport mechanism applies (dummy call reference, DL-UNIT DATA-REQUEST), the indication of the corresponding subclause of EN 300 196-1 [6] is given (i.e. subclause 8.3.2.4 of EN 300 196-1 [6])

Selection: IUT supports SCF supplementary services. PICS: R 1.3.

5.3.1 Common S/T or T

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

NOTE: The signalling procedures use mainly the bearer-independent connectionless transport mechanism with the dummy call reference. To augment the readability of the test purposes, basic call states are only mentioned where significant.

5.3.1.1 SCFB supplementary service

Selection: SCFB supported. PICS: R 1.3.1.

5.3.1.1.1 Activation

SCF_U01_001 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to activate the SCFB supplementary service,
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Activation state.

SCF_U01_002 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to modify the activation of the SCF supplementary service with another forwarded-to address than previously used (reactivation),
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the forwardedToAddress parameter set to the other address and enters the Wait SCF Activation state.

SCF_U01_003 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U01_004 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an ActivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U01_005 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "noScreeningListSpecified",
sends no message and enters the SCF Idle state.

SCF_U01_006 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U01_007 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U01_008 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U01_009 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U01_010 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "supplementaryServiceInteractionNotAllowed",
sends no message and enters the SCF Idle state.

SCF_U01_011 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "basicServiceNotProvided",
sends no message and enters the SCF Idle state.

SCF_U01_012 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "resourceUnavailable",
sends no message and enters the SCF Idle state.

SCF_U01_013 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidDivertedToNr",
sends no message and enters the SCF Idle state.

SCF_U01_014 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "specialServiceNr",
sends no message and enters the SCF Idle state.

SCF_U01_015 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "diversionToServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U01_016 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, on expiration of the timer T-ACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U01_017 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the activation,
sends no message and enters the SCF Idle state.

5.3.1.1.2 Deactivation

SCF_U02_001 subclause 9.1.2.3
Ensure that the IUT in the SCF Idle state, to deactivate the SCFB supplementary service,
sends a FACILITY message containing a Facility information element with an DeactivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Deactivation state.

SCF_U02_002 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U02_003 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an DeactivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U02_004 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U02_005 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U02_006 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U02_007 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notActivated",
sends no message and enters the SCF Idle state.

SCF_U02_008 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U02_009 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, on expiration of the timer T-DEACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U02_010 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFB supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the deactivation,
sends no message and enters the SCF Idle state.

5.3.1.2 SCFU supplementary service

Selection: SCFU supported. PICS: R 1.3.2.

5.3.1.2.1 Activation

SCF_U03_001 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to activate the SCFU supplementary service,
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Activation state.

SCF_U03_002 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to modify the activation of the SCF supplementary service with another forwarded-to address than previously used (reactivation),
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the forwardedToAddress parameter set to the other address and enters the Wait SCF Activation state.

SCF_U03_003 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U03_004 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an ActivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U03_005 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "noScreeningListSpecified",
sends no message and enters the SCF Idle state.

SCF_U03_006 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U03_007 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U03_008 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U03_009 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U03_010 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "supplementaryServiceInteractionNotAllowed",
sends no message and enters the SCF Idle state.

SCF_U03_011 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "basicServiceNotProvided",
sends no message and enters the SCF Idle state.

SCF_U03_012 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "resourceUnavailable",
sends no message and enters the SCF Idle state.

SCF_U03_013 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidDivertedToNr",
sends no message and enters the SCF Idle state.

SCF_U03_014 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "specialServiceNr",
sends no message and enters the SCF Idle state.

SCF_U03_015 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "diversionToServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U03_016 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, on expiration of the timer T-ACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U03_017 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the activation,
sends no message and enters the SCF Idle state.

5.3.1.2.2 Deactivation

SCF_U04_001 subclause 9.1.2.3
Ensure that the IUT in the SCF Idle state, to deactivate the SCFU supplementary service,
sends a FACILITY message containing a Facility information element with an DeactivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Deactivation state.

SCF_U04_002 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U04_003 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an DeactivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U04_004 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U04_005 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U04_006 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U04_007 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notActivated",
sends no message and enters the SCF Idle state.

SCF_U04_008 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U04_009 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, on expiration of the timer T-DEACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U04_010 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFU supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the deactivation,
sends no message and enters the SCF Idle state.

5.3.1.3 SCFNR supplementary service

Selection: SCFNR supported. PICS: R 1.3.3.

5.3.1.3.1 Activation

SCF_U05_001 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to activate the SCFNR supplementary service,
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Activation state.

SCF_U05_002 subclause 9.1.1.3
Ensure that the IUT in the SCF Idle state, to modify the activation of the SCF supplementary service with another forwarded-to address than previously used (reactivation),
sends a FACILITY message containing a Facility information element with an ActivationSCF invoke component including the forwardedToAddress parameter set to the other address and enters the Wait SCF Activation state.

SCF_U05_003 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U05_004 subclause 9.1.1.3
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, on receipt of a FACILITY message containing a Facility information element with an ActivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an ActivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U05_005 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "noScreeningListSpecified",
sends no message and enters the SCF Idle state.

SCF_U05_006 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U05_007 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U05_008 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U05_009 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U05_010 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "supplementaryServiceInteractionNotAllowed",
sends no message and enters the SCF Idle state.

SCF_U05_011 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "basicServiceNotProvided",
sends no message and enters the SCF Idle state.

SCF_U05_012 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "resourceUnavailable",
sends no message and enters the SCF Idle state.

SCF_U05_013 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "invalidDivertedToNr",
sends no message and enters the SCF Idle state.

SCF_U05_014 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "specialServiceNr",
sends no message and enters the SCF Idle state.

SCF_U05_015 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an ActivationSCF return error component indicating "diversionToServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U05_016 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, on expiration of the timer T-ACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U05_017 subclause 9.1.1.4
Ensure that the IUT in the Wait SCF Activation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the activation,
sends no message and enters the SCF Idle state.

5.3.1.3.2 Deactivation

SCF_U06_001 subclause 9.1.2.3
Ensure that the IUT in the SCF Idle state, to deactivate the SCFNR supplementary service,
sends a FACILITY message containing a Facility information element with an DeactivationSCF invoke component including the sCFProcedure parameter set to "scfb" and enters the Wait SCF Deactivation state.

SCF_U06_002 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component,
sends no message and enters the SCF Idle state.

SCF_U06_003 subclause 9.1.2.3
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, on receipt of a FACILITY message containing a Facility information element with an DeactivationSCF return result component, and a FACILITY message (subclause 8.3.2.4 of EN 300 196-1 [6]) containing a Facility information element with an DeactivationStatusNotificationSCF invoke component,
sends no message and enters the SCF Idle state.

Selection: point-to-multipoint configuration supported. PICS: R 7.2 [12].

SCF_U06_004 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U06_005 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U06_006 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U06_007 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "notActivated",
sends no message and enters the SCF Idle state.

SCF_U06_008 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with an DeactivationSCF return error component indicating "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U06_009 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, on expiration of the timer T-DEACTIVATE,
sends no message and enters the SCF Idle state.

SCF_U06_010 subclause 9.1.2.4
Ensure that the IUT in the Wait SCF Deactivation state for the SCFNR supplementary service, receiving a FACILITY message containing a Facility information element with a reject component including the invoke identifier of the deactivation,
sends no message and enters the SCF Idle state.

5.3.1.4 Interrogation - SCF

Selection: Interrogation of instance(s) of SCF supported. PICS: MC 4.1.

SCF_U07_001 subclause 9.1.4.3
Ensure that the IUT in the SCF Idle state, to interrogate the instance(s) of the SCF supplementary service for all screening lists,
sends a FACILITY message containing a Facility information element with an InterrogationSCF invoke component including the sCFEveryList parameter set to "everyList" and enters the Wait SCF Interrogation state.

SCF_U07_002 subclause 9.1.4.3
Ensure that the IUT in the SCF Idle state, to interrogate the instance(s) of the SCF supplementary service for the screening lists currently in use,
sends a FACILITY message containing a Facility information element with an InterrogationSCF invoke component including the sCFEveryList parameter set to "onlyListsInUse" and enters the Wait SCF Interrogation state.

SCF_U07_003 subclause 9.1.4.3
Ensure that the IUT in the Wait SCF Interrogation state, having interrogated the instance(s) of the SCF supplementary service for all screening lists, on receipt of a FACILITY message containing a Facility information element with an InterrogationSCF return result component including the allSCFLists parameter containing one SCFListinfo,
sends no message and enters the SCF Idle state.

SCF_U07_004 subclause 9.1.4.3
Ensure that the IUT in the Wait SCF Interrogation state, having interrogated the instance(s) of the SCF supplementary service for all screening lists, on receipt of a FACILITY message containing a Facility information element with an InterrogationSCF return result component including the allSCFLists parameter containing 15 SCFListinfo (maximal size of the allSCFLists parameter),
sends no message and enters the SCF Idle state.

SCF_U07_005 subclause 9.1.4.3
Ensure that the IUT in the Wait SCF Interrogation state, having interrogated the instance(s) of the SCF supplementary service for the screening lists in use, on receipt of a FACILITY message containing a Facility information element with an InterrogationSCF return result component including the activatedSCFLists parameter containing one SCFInUse,
sends no message and enters the SCF Idle state.

SCF_U07_006 subclause 9.1.4.3
Ensure that the IUT in the Wait SCF Interrogation state, having interrogated the instance(s) of the SCF supplementary service for the screening lists in use, on receipt of a FACILITY message containing a Facility information element with an InterrogationSCF return result component including the activatedSCFLists parameter with no SCFInUse (minimal size of the activatedSCFLists parameter),
sends no message and enters the SCF Idle state.

SCF_U07_007 subclause 9.1.4.3
Ensure that the IUT in the Wait SCF Interrogation state, having interrogated the instance(s) of the SCF supplementary service for the screening lists in use, on receipt of a FACILITY message containing a Facility information element with an InterrogationSCF return result component including the activatedSCFLists parameter containing 15 SCFInUse (maximal size of the activatedSCFLists parameter),
sends no message and enters the SCF Idle state.

SCF_U07_008 subclause 9.1.4.4
Ensure that the IUT in the Wait SCF Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogationSCF return error component with the error value "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U07_009 subclause 9.1.4.4
Ensure that the IUT in the Wait SCF Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogationSCF return error component with the error value "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U07_010 subclause 9.1.4.4
Ensure that the IUT in the Wait SCF Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogationSCF return error component with the error value "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U07_011 subclause 9.1.4.4
Ensure that the IUT in the Wait SCF Interrogation state, on expiration of timer T-INTERROGATE,
sends no message and enters the SCF Idle state.

SCF_U07_012 subclause 9.1.4.4
Ensure that the IUT in the Wait SCF Interrogation state, on receipt of a FACILITY message with a reject component including the invoke identifier of the activation,
sends no message and enters the SCF Idle state.

5.3.1.5 Interrogation - screening list

Selection: Interrogation of SCF lists supported. PICS: MC 3.1.

SCF_U08_001 subclause 9.1.5.1
Ensure that the IUT in the SCF Idle state, to interrogate a specific screening list,
sends a FACILITY message containing a Facility information element with an InterrogateSCFList invoke component including the screeningListIdentifier parameter set to the number of the list to be interrogated (between 1 and 15) and enters the Wait SCF List Interrogation state.

SCF_U08_002 subclause 9.1.5.1
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element with an InterrogateSCFList return result component including the ScreeningListIndication parameter,
sends no message and enters the SCF Idle state.

SCF_U08_003 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogateSCFList return error component with the error value "noScreeningListSpecified",
sends no message and enters the SCF Idle state.

SCF_U08_004 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogateSCFList return error component with the error value "notSubscribed",
sends no message and enters the SCF Idle state.

SCF_U08_005 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogateSCFList return error component with the error value "notAvailable",
sends no message and enters the SCF Idle state.

SCF_U08_006 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogateSCFList return error component with the error value "invalidServedUserNr",
sends no message and enters the SCF Idle state.

SCF_U08_007 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message containing a Facility information element containing an InterrogateSCFList return error component with the error value "invalidScreeningListID",
sends no message and enters the SCF Idle state.

SCF_U08_008 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on expiration of timer T-INTERROGATE,
sends no message and enters the SCF Idle state.

SCF_U08_009 subclause 9.1.5.2
Ensure that the IUT in the Wait SCF List Interrogation state, on receipt of a FACILITY message with a reject component including the invoke identifier of the activation,
sends no message and enters the SCF Idle state.

6 Compliance

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

a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in either subclause 6.2 or subclause 6.3;

b) use a TSS which is an appropriate subset of the whole of the TSS specified in subclause 5.1 or subclause 5.2;

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 either subclause 6.2 or subclause 6.3 shall be included in a compliant ATS.

7 Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [4], shall be used by any organization claiming to provide a comprehensive testing service for user equipment claiming conformance to EN 300 207-1 [1].

History

Document history				
V1.2.1	June 1998	Public Enquiry	PE 9843:	1998-06-03 to 1998-10-30
V1.3.1	March 1999	Vote	V 9921:	1999-03-23 to 1999-05-21