EUROPEAN
TELECOMMUNICATION
STANDARD

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

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

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Foreword

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

This ETS is part 3 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) supplementary service interactions as described below:

Part 1:   "Protocol specification";

Part 2:   "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3:   "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";

Part 4:   "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 5:   "TSS&TP specification for the network";

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

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

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1 Scope

This third part of ETS 300 195 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 [12]) of implementations conforming to the stage three standard for the supplementary service interactions for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, ETS 300 195-1 [2].

A further part of this ETS specifies the Abstract Test Suite (ATS) and partial PIXIT proforma based on this ETS. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the Network side of the T reference point or coincident S and T reference point of implementations conforming to ETS 300 195-1 [2].

2 Normative references

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

[1]   ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

[2]   ETS 300 195-1 (1995): "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[3]   ETS 300 195-2 (1996): "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

[4]   ETS 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".

[5]   ETS 300 207-1 (1994): "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[6]   ISO/IEC 9646-1: "Information technology - OSI Conformance Testing Methodology and Framework; Part 1: General Concepts".

[7]   ISO/IEC 9646-2: "Information technology - OSI Conformance Testing Methodology and Framework; Part 2: Abstract Test Suite specification".

[8]   ISO/IEC 9646-3: "Information technology - OSI Conformance Testing Methodology and Framework; Part 3: The Tree and Tabular Combined Notation".

[9]   CCITT Recommendation E.164 (1988): "Numbering plan for the ISDN era".

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

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

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

3 Definitions

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

3.1 Definitions related to conformance testing

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

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

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

implicit send event: Refer to ISO/IEC 9646-3 [8].

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

point of control and observation: Refer to ISO/IEC 9646-1 [6].

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

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

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

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

system under test: Refer to ISO/IEC 9646-1 [6].

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

3.2 Definitions related to ETS 300 195-1

call held auxiliary state: See ETS 300 196-1 [4], subclause 7.1.2.

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

component: See ETS 300 196-1 [4], subclause 11.2.2.1.

idle auxiliary state: See ETS 300 196-1 [4], subclause 7.1.2.

Integrated Services Digital Network (ISDN): See ITU-T Recommendation I.112 [10], definition 308.

ISDN number: A number conforming to the numbering and structure specified in CCITT Recommendation E.164 [9].

invoke component: See ETS 300 196-1 [4], subclause 11.2.2.1.

return error component: See ETS 300 196-1 [4], subclause 11.2.2.1.

return result component: See ETS 300 196-1 [4], subclause 11.2.2.1.

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

service; telecommunication service: See ITU-T Recommendation I.112 [10], definition 201.

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

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

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

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

4 Abbreviations

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

3PTY	Three-Party
AOC	Advice of Charge
AOC-D	Advice of Charge During the call
AOC-E	Advice of Charge at the End of the call
AOC-S	Advice of Charge at call Set-up time
CCBS	Completion of Calls to Busy Subscriber
CCRef	Call Reference for call related to the conference
CD	Call Deflection
CFB	Call Forwarding Busy
CFNR	Call Forwarding on No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	Connected Line Identification Presentation
COLR	Connected Line Identification Restriction
CONF	Conference call, add-on
CRbi	Call Reference for bearer independent transport connection
CRx	Call Reference for (circuit-switched) call x
CUG	Closed User Group
CW	Call Waiting
DDI	Direct Dialling In
ECT	Explicit Call Transfer
FPH	Freephone
HOLD	Call Hold
IUT	Implementation Under Test
MCID	Malicious Call Identification
MSN	Multiple Subscriber Number
SCRef	Call Reference for a private call (not related to the conference)
SSI	Supplementary Service Interactions
SUB	Subaddressing
TP	Terminal Portability
TP	Test Purpose
TSS	Test Suite Structure
U00	Null call state
U01	Call Initiated call state
U02	Overlap Sending call state
U03	Outgoing Call Proceeding call state
U04	Call Delivered call state
U06	Call Present call state
U07	Call Received call state
U08	Connect Request call state
U09	Incoming Call Proceeding call state
U10	Active Call state
U11	Disconnect Request call state
U12	Disconnect Indication call state
U15	Suspend Request call state
U17	Resume Request call state
U19	Release Request call state
U25	Overlap Receiving call state
U31	Bearer Independent Transport call state
UUI	User-to-User Information
UUS	User-to-User Signalling
UUS1/2/3	UUS service 1/2/3

5 Test Suite Structure (TSS)

5.1 Two-level structure of the test suite

The supplementary service interaction protocol is structured in two levels. The first level corresponds to a specific case of interaction between two supplementary services. The second level corresponds to the way in which a specific case is substructured. This two-level structure is reflected in the present ETS.

5.2 Level 1: interaction case (test purpose group)

The interaction cases correspond to subclauses 5.1 to 5.48 of ETS 300 195-1 [2]. They are depicted in figure 1 and table 1. An additional test purpose group has been introduced for general procedures corresponding to clause 6 of ETS 300 195-1 [2].

SSI - User

Interaction between

| AOC-D and AOC-E (01) | AOC and ECT (02) | AOC and CCBS (03) | ... | ... | ... | UUS and TP (48) |
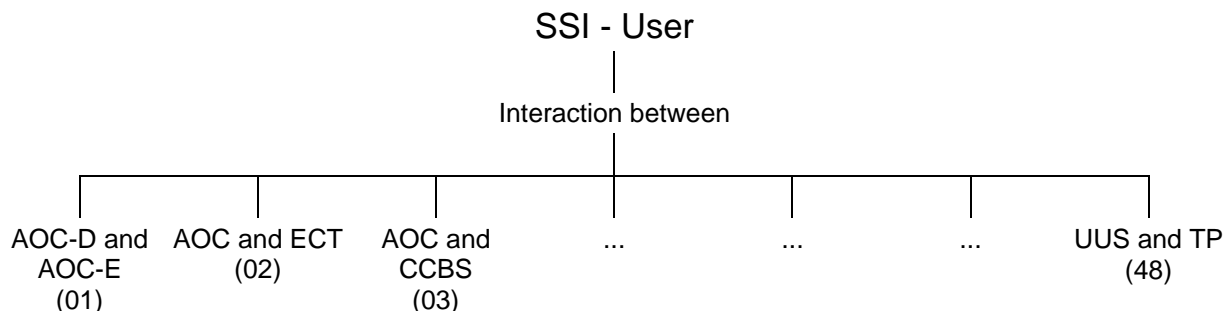
NOTE: Numbers in brackets represent group numbers and are used in TP identifiers.

Figure 1: Test suite structure - level 1

Table 1: Group numbers - level 1

Group	Interaction between:
01	the AOC-D and AOC-E supplementary services
02	the AOC and ECT supplementary services
03	the AOC and CCBS supplementary services
04	the AOC-E and CD supplementary services
05	the AOC-E and CFB supplementary services
06	the AOC-E and CFNR supplementary services
07	the AOC-E and CFU supplementary services
08	the AOC and 3PTY supplementary services
09	the AOC and CONF supplementary services
10	the AOC and Terminal Portability supplementary services
11	the CONF and HOLD supplementary services
12	the CONF and CUG supplementary service
13	the CONF and CONF supplementary services
14	the CONF and Terminal Portability supplementary services
15	the CONF and 3PTY supplementary services
16	the CONF and UUS3 supplementary services
17	the CONF and ECT supplementary services
18	the CD and COLP supplementary services
19	the CD and COLR supplementary services
20	the CD and UUS supplementary services
21	the CFB and COLP supplementary services
22	the CFB and COLR supplementary services
23	the CFB and UUS supplementary services

(continued)

Table 1 (concluded): Group numbers - level 1

Group	Interaction between:
24	the CFNR and COLP supplementary services
25	the CFNR and COLR supplementary services
26	the CFNR and UUS supplementary services
27	the CFU and COLP supplementary services
28	the CFU and COLR supplementary services
29	the CFU and UUS supplementary services
30	the Terminal Portability and 3PTY supplementary services
31	the HOLD and Terminal Portability supplementary services
32	the HOLD and 3PTY supplementary services
33	the CUG and 3PTY supplementary services
34	the ECT and MCID supplementary services
35	the ECT and 3PTY supplementary services
36	the ECT and UUS supplementary services
37	the CCBS and UUS supplementary services
38	the CCBS and CLIP supplementary services
39	the CCBS and CLIR supplementary services
40	the CCBS and CUG supplementary services
41	the CCBS and MSN supplementary services
42	the CCBS and SUB supplementary services
43	the FPH and COLP supplementary services
44	the ECT and CUG supplementary services
45	the ECT and Terminal Portability supplementary services
46	the CONF and MCID supplementary services
47	the CCBS and CW supplementary services
48	the UUS and Terminal Portability supplementary services

5.3 Level 2: substructure of an interaction case (test purpose subgroup)

The specific substructure of each interaction case is depicted in the corresponding subclause of clause 6. An example of a possible substructure is given in figure 2 for illustrative purposes. In the root node "SSI - Uxx", the symbol "xx" needs to be replaced by the relevant value of column 1 in table 1.

NOTE: Numbers in brackets represent subgroup numbers and are used in TP identifiers.
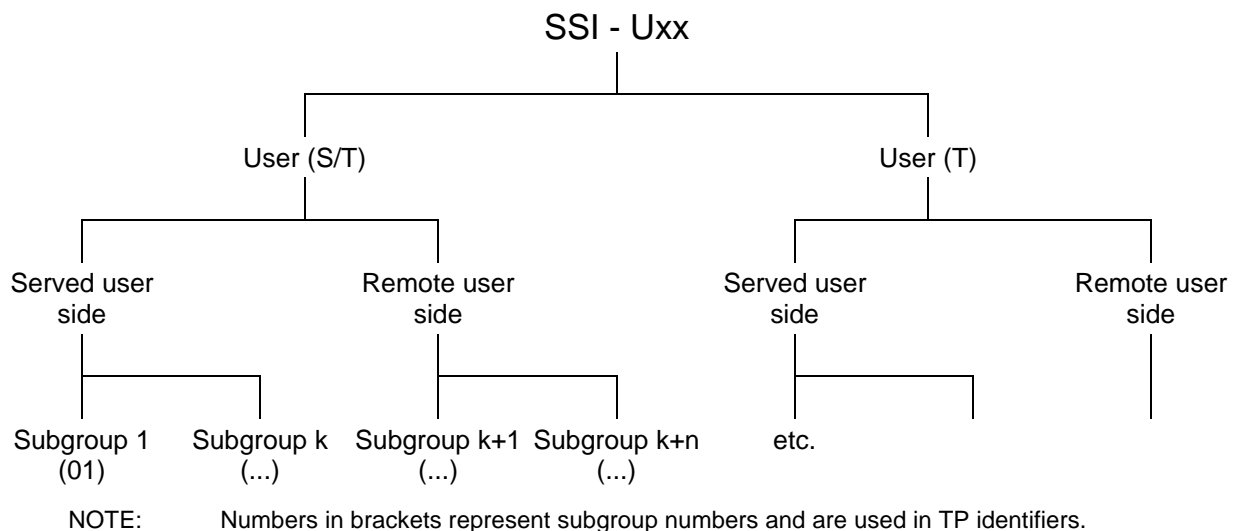
Figure 2: Example of test suite substructure - level 2

Within the group of general procedures, a subgroup is reserved for each individual procedure, starting with subgroup 01.

6 Test Purposes (TP)

6.1 Introduction

For each test requirement a TP is defined.

6.1.1 TP naming convention

TPs are numbered, starting at 001, within each group/subgroup combination. The group/subgroup combinations are organized according to the TSS described in clause 5. Additional references are added to identify the actual test suite and whether it applies to the network or the user (see table 2).

Table 2: TP identifier naming convention scheme

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

6.1.2 Source of TP definition

The TPs are based on ETS 300 195-1 [2], clauses 5 and 6.

6.1.3 TP structure

Each TP has been written in a manner which is consistent with all other TPs. The intention of this is to make the TPs more readable and checkable. A particular structure has been used and this is illustrated in table 3. This table should be read in conjunction with any TP, i.e. use a test purpose as an example to fully understand the table.

> NOTE: The structuring of TP grouping in two levels (TP group and subgroup) is specific to this ETS. Other DSS1 TSS&TP standards use only one level of TP grouping.

Table 3: Structure of a single TP

TP part	Text	Example
Header	**\<Identifier\>** *tab* **\<paragraph number in base ETS\>** *tab* **\<type of test\>** *tab* **\<condition\>** *CR.*	see table 1 **subclause 0.0.0** **valid, invalid, inopportune** **mandatory, optional, conditional**
Stimulus	Ensure that the IUT in the \<basic call state\> \<trigger\> *see below for message structure* *or* \<goal\>	 U00, U10, etc. receiving a XXXX message to request a ...
Reaction	\<action\> \<conditions\> *if the action is sending* *see below for message structure* \<next action\>, *etc.* and enters \<supplementary service state\> *and/or* and remains in the same state(s) *or* and enters state \<state\> with CR\<number(s)\>	sends, saves, does, etc. using en bloc sending, ...
Message structure	\<message type\> message containing a *a)* \<info element\> information element with *b)* a \<field name\> encoded as *or* including \<coding of the field\> and *back to a or b,*	SETUP, FACILITY, CONNECT, ... Bearer capability, Facility, ...
NOTE:	Text in italics will not appear in TPs and text between \<\> is filled in for each TP and may differ from one TP to the next.	

6.1.4 Test strategy

As the base standard ETS 300 195-1 [2] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETS 300 195-2 [3]. The criteria applied include the following:

-    only the requirements from the point of view of the T or coincident S and T reference point are considered;

-    whether or not a test case can be built from the TP is not considered.

6.2 User TPs for SSI

All PICS items referred to in this subclause are as specified in ETS 300 195-2 [3] unless indicated otherwise by another numbered reference.

6.2.1 Interaction between AOC-D and AOC-E

This subclause refers to ETS 300 195-1 [2], subclause 5.1. No test purpose related to the supplementary service interaction needs to be defined for the user since the standard does not specify any protocol actions for the user over and above those applicable to the individual supplementary services.

6.2.2 Interaction between AOC and ECT

Selection: IUT supports the interaction between AOC and ECT.
PICS: MC 1.20 AND (MC 1.12 OR MC 1.13 OR MC 1.14).

6.2.2.1 Test suite substructure
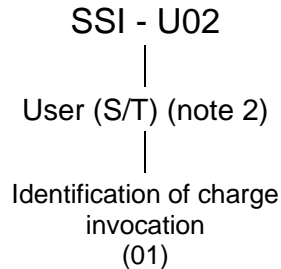
SSI - U02
|
User (S/T) (note 2)
|
Identification of charge
invocation
(01)

NOTE 1: Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2: When the served user is a Private ISDN, no call transfer is performed in the public network.
The pre-existing two independent calls (or the single call) continue to exist at the T reference
point. No case for AOC/ECT interaction arises at the T reference point.

Figure 3: U02 test suite substructure - level 2

6.2.2.2 Identification of charge invocation

Selection: IUT supports the sending of IdentificationOfCharge invoke component.
PICS: P 3.

SSI_U02_01_001   **subclause 5.2.2.1.1**   **valid**   **optional**
Ensure that the IUT, in the ECT Idle state and with CR1 in call state U10 (Held) and CR2 in call state U10
(Idle), while CR1 is in the AOC-E activated state, to associate a ChargingAssociation parameter with the
call to be transferred
sends a FACILITY message with CR1 containing a Facility information element with an EctExecute
invoke component and an IdentificationOfCharge invoke component with a ChargingAssociation
argument
and proceeds in the way which is specified for the ECT supplementary service.

SSI_U02_01_002   **subclause 5.2.2.1.1**   **valid**   **optional**
Ensure that the IUT, in the ECT Idle state with CR1 in call state U10 (Held) and CR2 in call state U10
(Idle), while CR1 is in the AOC-E activated state, and CR3 in call state U10 (Idle), after having
successfully requested a LinkId value for CR2, to associate a ChargingAssociation parameter with the call
to be transferred
sends a FACILITY message with CR1 containing a Facility information element with an
ExplicitEctExecute invoke component and an IdentificationOfCharge invoke component with a
ChargingAssociation argument
and proceeds in the way which is specified for the ECT supplementary service.

SSI_U02_01_003   **subclause 5.2.2.1.2**   **inopportune**   **optional**
Ensure that the IUT, in the ECT Idle state and with CR1 in call state U10 (Held) and CR2 in call state U10
(Idle), having sent a FACILITY message with CR1 containing a Facility information element with an
EctExecute invoke component and an IdentificationOfCharge invoke component, receiving a
DISCONNECT message including a Facility information element with an IdentificationOfCharge return
error component and including an EctExecute return result component
accepts the error component without further reaction to it
and proceeds in the way which is specified for the ECT supplementary service.
Selection: IUT supports the reception of IdentificationOfCharge return error component.
PICS: P 1.

6.2.3 Interaction between AOC and CCBS

Selection: IUT supports the interaction between AOC and CCBS.
PICS: MC 1.7 AND (MC 1.12 OR MC 1.13 OR MC 1.14).

6.2.3.1 Test suite substructure

```
                    SSI - U03
                        |
                     User (T)
                        |
         Requesting again AOC supplementary service
                       (01)
```

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

Figure 4: U03 test suite substructure - level 2

6.2.3.2 Repeating AOC request (T ref. point)

SSI_U03_01_001   **subclause 5.3.3.1.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U00 and CCBS Free state, to request an AOC supplementary service for a CCBS call (request of AOC on a per call basis),
     sends a SETUP message containing a Facility information element with a CCBS-T-Call invoke component and a ChargingRequest invoke component indicating the same AOC service as in the original call
     and proceeds in the way which is specified for the CCBS supplementary service.

6.2.4 Interaction between AOC-E and CD

Selection: IUT supports the interaction between AOC-E and CD.
PICS: MC 1.24 AND MC 1.14.

6.2.4.1 Test suite substructure

```
                              SSI - U04
                                  |
               +------------------+------------------+
          User (S/T)                            User (T)
               |                                     |
       Identification of                +-----------+-----------+
       charge invocation            Deflection             Rerouteing
             (01)                        |                      |
                            Identification of charge   Identification of charge
                                  invocation                invocation
                                    (02)                       (03)
```

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

Figure 5: U04 test suite substructure - level 2

6.2.4.2   CD provided at S/T ref. point

6.2.4.2.1   Identification of charge invocation

Selection: IUT supports the sending of IdentificationOfCharge invoke component.
                PICS: P 3.

SSI_U04_01_001   subclause 5.4.2.1.1   valid   optional
Ensure that the IUT, when AOC-E is activated for all calls, having sent a first response to an incoming
SETUP message (i.e. being in call state U07, U09 or U25), to deflect that call to another user and to
associate a ChargingAssociation parameter with the call to be deflected
    sends a FACILITY message containing a Facility information element with a CallDeflection invoke
    component and an IdentificationOfCharge invoke component with a ChargingAssociation argument
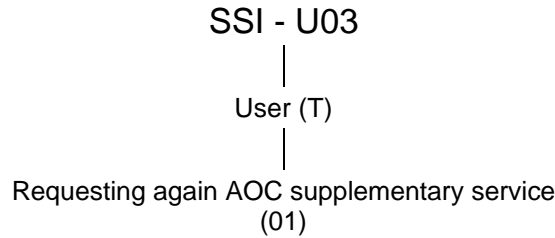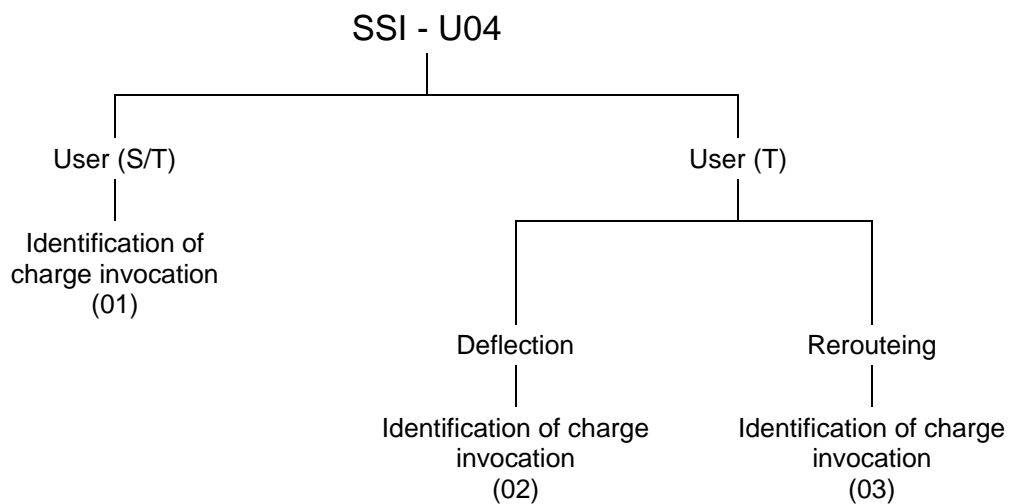   and proceeds in the way which is specified for the CD supplementary service.

SSI_U04_01_002   subclause 5.4.2.1.2   inopportune   optional
Ensure that the IUT, when AOC-E is activated for all calls, having sent a first response to an incoming
SETUP message (i.e. being in call state U07, U09 or U25) and having sent a FACILITY message
containing a Facility information element with a CallDeflection invoke component and an
IdentificationOfCharge invoke component, receiving a DISCONNECT message including a Facility
information element with an IdentificationOfCharge return error component and including a CallDeflection
return result component
    accepts the error component without further reaction to it
    and proceeds in the way which is specified for the CD supplementary service.
    Selection: IUT supports the reception of IdentificationOfCharge return error component.
                PICS: P 1.

6.2.4.3   CD provided at T ref. point

6.2.4.3.1   Identification of charge invocation

Selection: IUT supports the sending of IdentificationOfCharge invoke component.
                PICS: P 3.

SSI_U04_02_001   subclause 5.4.3.1   valid   optional
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state
U07, U09 or U25), to deflect that call to another user and to associate a ChargingAssociation parameter
with the call to be deflected
    sends a FACILITY message containing a Facility information element with a CallDeflection invoke
    component and an IdentificationOfCharge invoke component with a ChargingAssociation argument
    and proceeds in the way which is specified for the CD supplementary service.

SSI_U04_02_002   subclause 5.4.3.2   inopportune   optional
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state
U07, U09 or U25) and having sent a FACILITY message containing a Facility information element with a
CallDeflection invoke component and an IdentificationOfCharge invoke component, receiving a
DISCONNECT message including a Facility information element with an IdentificationOfCharge return
error component and including a CallDeflection return result component
    accepts the error component without further reaction to it
    and proceeds in the way which is specified for the CD supplementary service.
    Selection: IUT supports the reception of IdentificationOfCharge return error component.
                PICS: P 1.

6.2.4.4 Partial re-routeing provided (T ref. point)

6.2.4.4.1 Identification of charge invocation

SSI_U04_03_001   **subclause 5.4.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), to activate the AOC-E supplementary service on a per call basis for the call to be deflected through partial re-routeing,
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdImmediate" or "cdAlerting" and a ChargingRequest invoke component with the ChargingCase parameter indicating "chargingAtTheEndOfACall"
> and proceeds in the way which is specified for call diversion supplementary services.

SSI_U04_03_002   **subclause 5.4.3.2.1**   **valid**   **optional**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), (while the AOC-E supplementary service is activated), to associate a ChargingAssociation parameter with the call to be deflected through partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdImmediate" or "cdAlerting" and an IdentificationOfCharge invoke component with a ChargingAssociation argument
> and proceeds in the way which is specified for call diversion supplementary services.
> **Selection**: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.

SSI_U04_03_003   **subclause 5.4.3.2.2**   **inopportune**   **optional**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25) and having sent a FACILITY message containing a Facility information element with a CallRerouteing invoke component and an IdentificationOfCharge invoke component, receiving a DISCONNECT message with cause value #31 "Normal, unspecified" including a Facility information element with an IdentificationOfCharge return error component
> accepts the component without further reaction to it
> and proceeds in the way which is specified for call diversion supplementary services.
> **Selection**: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.
>   IUT supports the reception of IdentificationOfCharge return error component. PICS: P 1.

6.2.5 Interaction between AOC-E and CFB

> **Selection**: IUT supports the interaction between AOC and CFB.
>   PICS: MC 1.21 AND MC 1.14.

6.2.5.1 Test suite substructure
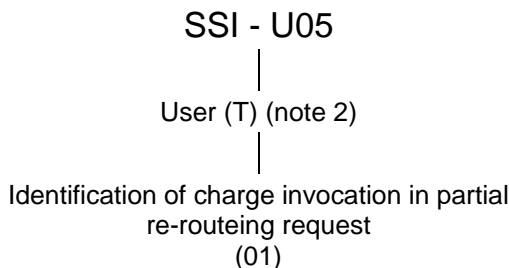
<div align="center">

SSI - U05

|

User (T) (note 2)

|

Identification of charge invocation in partial
re-routeing request
(01)

</div>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   At the S/T ref. point, all procedures for the individual supplementary services are applicable. No case of AOC/CFB interaction arises for a user implementation.

Figure 6: U05 test suite substructure - level 2

6.2.5.2 Identification of charge invoked in partial re-routeing request

SSI_U05_01_001   **subclause 5.5.3.2**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), to activate the AOC-E supplementary service on a per call basis for the call to be forwarded on busy through partial re-routeing,
    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb" and a ChargingRequest invoke component with the ChargingCase parameter indicating "chargingAtTheEndOfACall"
    and proceeds in the way which is specified for call diversion supplementary services.

SSI_U05_01_002   **subclause 5.5.3.2**   **valid**   **optional**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), (while the AOC-E supplementary service is activated), to associate a ChargingAssociation parameter with the call to be forwarded on busy through partial re-routeing
    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb" and an IdentificationOfCharge invoke component with a ChargingAssociation argument
    and proceeds in the way which is specified for call diversion supplementary services.
    Selection: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.

SSI_U05_01_003   **subclauses 5.5, 5.4.3.2.2**   **inopportune**   **optional**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25) and having sent a FACILITY message containing a Facility information element with a CallRerouteing invoke component and an IdentificationOfCharge invoke component, receiving a DISCONNECT message with cause value #31 "Normal, unspecified" including a Facility information element with an IdentificationOfCharge return error component
    accepts the component without further reaction to it
    and proceeds in the way which is specified for call diversion supplementary services.
    Selection: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.
   IUT supports the reception of IdentificationOfCharge return error component. PICS: P 1.

6.2.6 Interaction between AOC-E and CFNR

    Selection: IUT supports the interaction between AOC and CFNR.
                 PICS: MC 1.22 AND MC 1.14.

6.2.6.1 Test suite substructure

<p style="text-align:center">SSI - U06</p>

<p style="text-align:center">|</p>

<p style="text-align:center">User (T) (note 2)</p>

<p style="text-align:center">|</p>

<p style="text-align:center">Identification of charge invocation in partial
re-routeing request
(01)</p>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   At the S/T ref. point, all procedures for the individual supplementary services are applicable. No case of AOC/CFNR interaction arises for a user implementation.

Figure 7: U06 test suite substructure - level 2

6.2.6.2   Identification of charge invoked in partial re-routeing request

SSI_U06_01_001   subclauses 5.6, 5.4.3.2   valid   mandatory
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), to activate the AOC-E supplementary service on a per call basis for the call to be forwarded on no reply through partial re-routeing,
        sends a FACILITY message containing a Facility information element with a CallRerouteing invoke
        component with a RerouteingReason parameter indicating "cfnr" and a ChargingRequest invoke
        component with the ChargingCase parameter indicating "chargingAtTheEndOfACall"
        and proceeds in the way which is specified for call diversion supplementary services.

SSI_U06_01_002   subclauses 5.6, 5.4.3.2   valid   optional
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), (while the AOC-E supplementary service is activated), to associate a ChargingAssociation parameter with the call to be forwarded on no reply through partial re-routeing
        sends a FACILITY message containing a Facility information element with a CallRerouteing invoke
        component with a RerouteingReason parameter indicating "cfnr" and an IdentificationOfCharge
        invoke component with a ChargingAssociation argument
        and proceeds in the way which is specified for call diversion supplementary services.
        Selection: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.

SSI_U06_01_003   subclauses 5.6, 5.4.3.2   inopportune   optional
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25) and having sent a FACILITY message containing a Facility information element with a CallRerouteing invoke component and an IdentificationOfCharge invoke component, receiving a DISCONNECT message with cause value #31 "Normal, unspecified" including a Facility information element with an IdentificationOfCharge return error component
        accepts the component without further reaction to it
        and proceeds in the way which is specified for call diversion supplementary services.
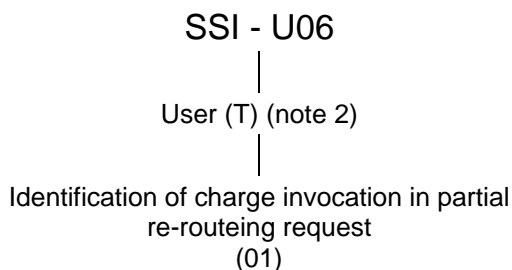   **Selection**:   IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.
                IUT supports the reception of IdentificationOfCharge return error component.
                PICS: P 1.

6.2.7   Interaction between AOC-E and CFU

        Selection: IUT supports the interaction between AOC and CFU.
                PICS: MC 1.23 AND MC 1.14.

6.2.7.1   Test suite substructure
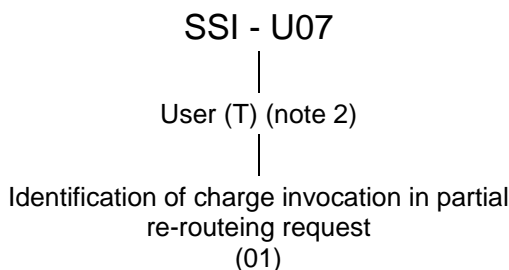
<div align="center">

SSI - U07

|

User (T) (note 2)

|

Identification of charge invocation in partial
re-routeing request
(01)

</div>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   At the S/T ref. point, all procedures for the individual supplementary services are applicable. No
                case of AOC/CFU interaction arises for a user implementation.

Figure 8: U07 test suite substructure - level 2

6.2.7.2 Identification of charge invoked in partial re-routeing request

SSI_U07_01_001 **subclauses 5.7, 5.4.3.2** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), to activate the AOC-E supplementary service on a per call basis for the call to be forwarded unconditionally through partial re-routeing,
  sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu" and a ChargingRequest invoke component with the ChargingCase parameter indicating "chargingAtTheEndOfACall"
  and proceeds in the way which is specified for call diversion supplementary services.

SSI_U07_01_002 **subclauses 5.7, 5.4.3.2** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), (while the AOC-E supplementary service is activated), to associate a ChargingAssociation parameter with the call to be forwarded unconditionally through partial re-routeing
  sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu" and an IdentificationOfCharge invoke component with a ChargingAssociation argument
  and proceeds in the way which is specified for call diversion supplementary services.
  Selection: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.

SSI_U07_01_003 **subclauses 5.7, 5.4.3.2.2** **inopportune** **optional**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25) and having sent a FACILITY message containing a Facility information element with a CallRerouteing invoke component and an IdentificationOfCharge invoke component, receiving a DISCONNECT message with cause value #31 "Normal, unspecified" including a Facility information element with an IdentificationOfCharge return error component
  accepts the component without further reaction to it
 and proceeds in the way which is specified for call diversion supplementary services.
  Selection: IUT supports the sending of IdentificationOfCharge invoke component. PICS: P 3.
         IUT supports the reception of IdentificationOfCharge return error component.
         PICS: P 1.

6.2.8 Interaction between AOC and 3PTY

This subclause refers to ETS 300 195-1 [2], subclause 5.8. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.8.

6.2.9 Interaction between AOC and CONF

  Selection: IUT supports the interaction between AOC and CONF.
         PICS: MC 1.18 AND (MC 1.12 OR MC 1.13 OR MC 1.14).

6.2.9.1 Test suite substructure
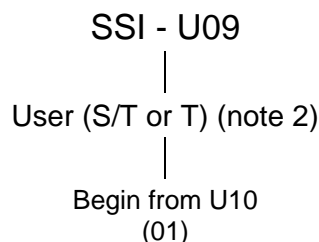
<div align="center">

SSI - U09
|
User (S/T or T) (note 2)
|
Begin from U10
(01)

</div>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   When the served user is a Private ISDN, this TSS&TP assumes that the conference connection is performed in the public network. The procedures at the served user are identical for the S/T and T reference points.

Figure 9: U09 test suite substructure - level 2

6.2.9.2   Begin conference from U10

SSI_U09_01_001   subclause 5.9.2.1   valid   mandatory
Ensure that the IUT, in the call state U10, to initiate the establishment of a conference call and to request
the AOC-S supplementary service for the conference
    sends a FACILITY message with a Facility information element including a BeginCONF invoke
    component and a ChargingRequest invoke component with a ChargingCase parameter indicating
    "chargingInformationAtCallSetup"
    and proceeds in the way which is specified for the CONF supplementary service.

SSI_U09_01_002   subclause 5.9.2.1   valid   mandatory
Ensure that the IUT, in the call state U10 to initiate the establishment of a conference call and to request
the AOC-D supplementary service for the conference
    sends a FACILITY message with a Facility information element including a BeginCONF invoke
    component and a ChargingRequest invoke component with a ChargingCase parameter indicating
    "chargingDuringACall"
    and proceeds in the way which is specified for the CONF supplementary service.

SSI_U09_01_003   subclause 5.9.2.1   valid   mandatory
Ensure that the IUT, in the call state U10 to initiate the establishment of a conferece call and to request
the AOC-E supplementary service for the conference
    sends a FACILITY message with a Facility information element including a BeginCONF invoke
    component and a ChargingRequest invoke component with a ChargingCase parameter indicating
    "chargingAtTheEndOfCall"
    and proceeds in the way which is specified for the CONF supplementary service.

6.2.10   Interaction between AOC and TP

This subclause refers to ETS 300 195-1 [2], subclause 5.10. No test purpose related to the specified
supplementary service interaction can be defined as there are no requirements defined for the user in
ETS 300 195-1 [2], subclause 5.10.

6.2.11   Interaction between CONF and HOLD

    Selection: IUT supports the interaction between CONF and HOLD.
               PICS: MC 1.18 AND MC 1.25.

6.2.11.1   Test suite substructure
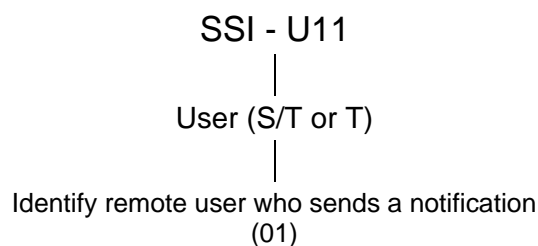
<div align="center">

SSI - U11
|
User (S/T or T)
|
Identify remote user who sends a notification
(01)

</div>

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

Figure 10: U11 test suite substructure - level 2

6.2.11.2   Identify remote user who sends a notification

SSI_U11_01_001   subclause 5.11.2.2.1   valid   mandatory
Ensure that the IUT, in call state U10 for the conference call, receiving a FACILITY message including a
Notification indicator and a Facility information element containing an IdentifyConferee invoke component
with a PartyId parameter indicating the remote user pertaining to the provided notification
    accepts this information without further reaction to it
    and remains in call state U10.

6.2.12 Interaction between CONF and CUG supplementary service

This subclause refers to ETS 300 195-1 [2], subclause 5.12. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.12.

6.2.13 Interaction between CONF and CONF

Selection: IUT supports the interaction between CONF and CONF.
PICS: MC 1.18.

6.2.13.1 Test suite substructure
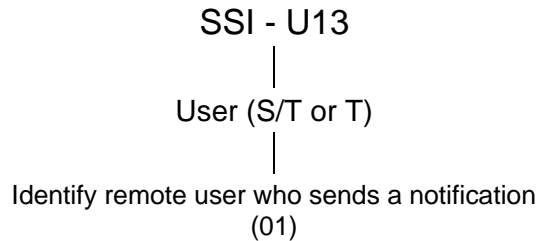
SSI - U13

|

User (S/T or T)

|

Identify remote user who sends a notification
(01)

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

Figure 11: U13 test suite substructure - level 2

6.2.13.2 Identify remote user who sends a notification

SSI_U13_01_001   **subclause 5.13.2.3.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10 for the conference call, receiving a FACILITY message including a Notification indicator and a Facility information element containing an IdentifyConferee invoke component with a PartyId parameter indicating the remote user pertaining to the provided notification
  accepts this information without further reaction to it
  and remains in call state U10.

6.2.14 Interaction between CONF and TP

Selection: IUT supports the interaction between CONF and TP.
PICS: MC 1.18 AND MC 1.5.

6.2.14.1 Test suite substructure

SSI - U14

|

User (S/T or T)

|

Identify remote user who sends a notification
to conference
(01)

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

Figure 12: U14 test suite substructure - level 2

6.2.14.2   Identify remote user who sends a notification to conference

SSI_U14_01_001   subclause 5.14.2.2.1   valid   mandatory
Ensure that the IUT, in call state U10 for the conference call, receiving a FACILITY message including a
Notification indicator and a Facility information element containing an IdentifyConferee invoke component
with a PartyId parameter indicating the remote user pertaining to the provided notification
     accepts this information without further reaction to it
   and remains in call state U10.

6.2.15   Interaction between CONF and 3PTY

   Selection: IUT supports the interaction between CONF and 3PTY.
                     PICS: MC 1.18 AND MC 1.11.

6.2.15.1   Test suite substructure
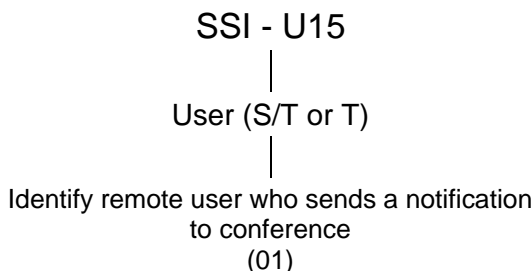
<div align="center">

SSI - U15

|

User (S/T or T)

|

Identify remote user who sends a notification
to conference
(01)

</div>

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

Figure 13: U15 test suite substructure - level 2

6.2.15.2   Identify remote user who sends a notification to conference
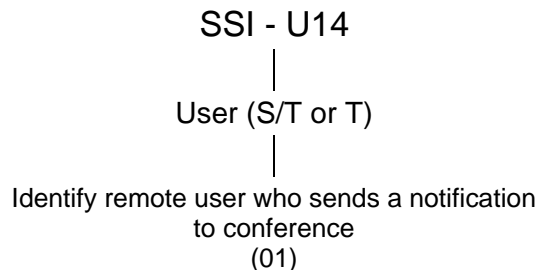
SSI_U15_01_001   subclause 5.15.2.4.1   valid   mandatory
Ensure that the IUT, in call state U10 for the conference call, receiving a FACILITY message including a
Notification indicator and a Facility information element containing an IdentifyConferee invoke component
with a PartyId parameter indicating the remote user pertaining to the provided notification
     accepts this information without further reaction to it
     and remains in call state U10.

6.2.16 Interaction between CONF and UUS service 3

Selection: IUT supports the interaction between CONF and UUS.
PICS: MC 1.18 AND MC 1.9.

6.2.16.1 Test suite substructure
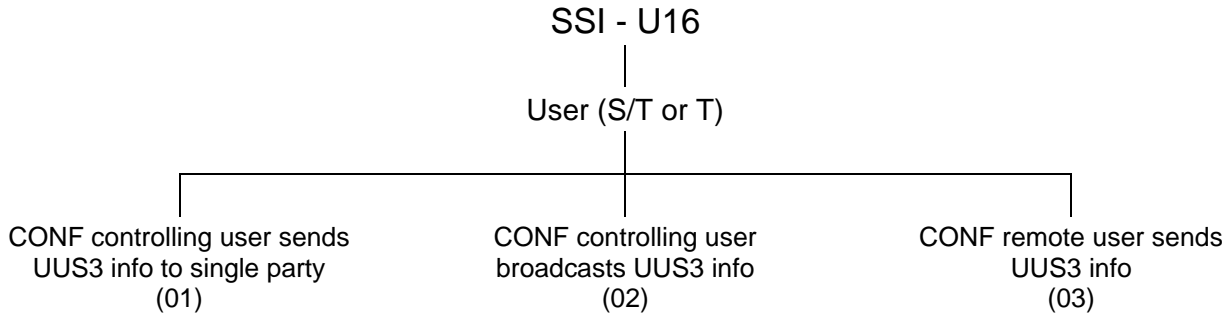
SSI - U16

|

User (S/T or T)

|

| CONF controlling user sends UUS3 info to single party (01) | CONF controlling user broadcasts UUS3 info (02) | CONF remote user sends UUS3 info (03) |

NOTE 1: Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2: Activation and deactivation of the UUS3 supplementary service concerns the individual calls from which the conference is constructed, or which are obtained by splitting a party from the conference. UUS3 activation TPs are fully covered in the corresponding supplementary services standard, i.e. no additional activation TPs are required in the frame of CONF-UUS3 interaction TPs.

Figure 14: U16 test suite substructure - level 2

6.2.16.2 CONF controlling user sends UUS3 info to single party

SSI_U16_01_001   **subclause 5.16.2.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10, where the call is part of a conference controlled by the served user, to send UUS information to a remote user
     sends a USER INFORMATION message with a Facility information element including a IdentifyConferee invoke component including a PartyId parameter
     and remains in the same call state.

6.2.16.3 CONF controlling user broadcasts UUS3 info

SSI_U16_02_001   **subclause 5.16.2.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10, where the call is part of a conference controlled by the served user, to broadcast UUS information to remote users
     sends a USER INFORMATION message not including an IdentifyConferee invoke component
     and remains in the same call state.

6.2.16.4 CONF remote user sends UUS3 info

SSI_U16_03_001   **subclause 5.16.2.2.1**   **valid**   **mandatory**
Ensure that the IUT, in call state U10, where the call is part of a conference controlled by the served user, receiving a USER INFORMATION message with a Facility information element including a IdentifyConferee invoke component with a PartyId parameter identifying the remote user
     accepts this information without further reaction to it
     and remains in the same call state.

6.2.17 Interaction between CONF and ECT

Selection: IUT supports the interaction between CONF and ECT.
PICS: MC 1.18 AND MC 1.20.

6.2.17.1 Test suite substructure

SSI - U17
|
User (S/T or T)
|
CONF remote user uses ECT
(01)

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

Figure 15: U17 test suite substructure - level 2

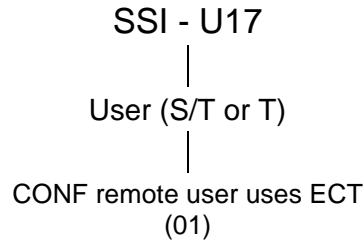#### 6.2.17.2 CONF remote user uses ECT

SSI_U17_01_001   subclause 5.17.2.2.1   valid   mandatory
Ensure that the IUT, in call state U10 of a call which is part of a conference controlled by the served user, receiving a FACILITY message containing a Notification indicator information element, a Redirection number information elements and a Facility information element containing a RequestSubaddress invoke component and an IdentifyConferee invoke component with a PartyId parameter indicating the remote user pertaining to the provided notification
sends a FACILITY message including a Facility information element containing a SubaddressTransfer invoke component and an IdentifyConferee invoke component indicating the PartyId of the remote party performing an explicit call transfer
and remains in call state U10.

6.2.18 Interaction between CD and COLP

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.
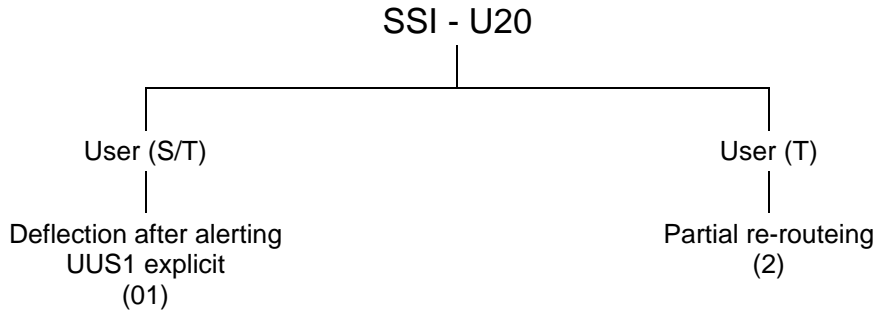
6.2.19 Interaction between CD and COLR

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

6.2.20 Interaction between CD and UUS

Selection: IUT supports the interaction between CD and UUS.
PICS: MC 1.24 AND MC 1.9.

6.2.20.1 Test suite substructure

SSI - U20

```
                    |
        ┌───────────┴───────────┐
   User (S/T)                User (T)
        |                        |
Deflection after alerting   Partial re-routeing
    UUS1 explicit                (2)
        (01)
```

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

Figure 16: U20 test suite substructure - level 2

6.2.20.2 Deflection after alerting (S/T ref. point)

6.2.20.2.1 UUS1 explicit service

SSI_U20_01_001　　　　**subclause 5.20.2.2.2.1**　　　　**inopportune**　　**optional**
Ensure that the IUT, in call state U07, having accepted an explicit, preferred request for the UUS1 service in an ALERTING message, to deflect the call,
　　sends a FACILITY message with a CallDeflection invoke component and remains in the same call state and enters the diversion service Deflecting state.

6.2.20.3 Partial re-routeing (T ref. point)

SSI_U20_02_001　　　　**subclause 5.23.3.2.1**　　　　**valid**　　　　**mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested implicitly and UUI was included in the request, to deflect this UUS request using partial re-routeing
　　sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component and a q931InfoElement parameter including the received UUI information
　　remains in the same call state and enters (diversion service) Wait Route state.

SSI_U20_02_002　　　　**subclause 5.23.3.2.1**　　　　**valid**　　　　**mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as preferred and UUI was included in the request, to deflect this UUS request using partial re-routeing
　　sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "TRUE",
　　remains in the same call state and enters (diversion service) Wait Route state.
　　Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U20_02_003　　　　**subclause 5.23.3.2.1**　　　　**valid**　　　　**mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as required and UUI was included in the request, to deflect this UUS request using partial re-routeing
　　sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "FALSE",
　　remains in the same call state and enters (diversion service) Wait Route state.
　　Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U20_02_004 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as preferred, to deflect this UUS request using partial re-routeing

sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "TRUE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U20_02_005 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as required, to deflect this UUS request using partial re-routeing

sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "FALSE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U20_02_006 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as preferred, to deflect this UUS request using partial re-routeing

sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "TRUE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U20_02_007 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as required, to deflect this UUS request using partial re-routeing

sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cdAlerting" or "cdImmediate", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "FALSE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

6.2.21   Interaction between CFB and COLP

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

6.2.22   Interaction between CFB and COLR

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.
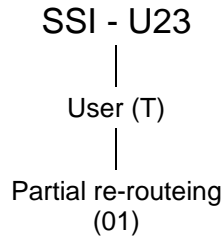
6.2.23 Interaction between CFB and UUS

Selection: IUT supports the interaction between CFB and UUS.
PICS: MC 1.21 AND MC 1.9.

6.2.23.1 Test suite substructure

<div align="center">

SSI - U23

|

User (T)

|

Partial re-routeing
(01)

</div>

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

Figure 17: U23 test suite substructure - level 2

6.2.23.2 Partial re-routeing (T ref. point)

SSI_U23_01_001 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested implicitly and UUI was included in the request, to divert this UUS request using partial re-routeing
sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component and a q931InfoElement parameter including the received UUI information
remains in the same call state and enters (diversion service) Wait Route state.

SSI_U23_01_002 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as preferred and UUI was included in the request, to divert this UUS request using partial re-routeing
sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "TRUE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U23_01_003 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as required and UUI was included in the request, to divert this UUS request using partial re-routeing
sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "FALSE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U23_01_004 **subclause 5.23.3.2.1** **valid** **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing
sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "TRUE",
remains in the same call state and enters (diversion service) Wait Route state.
Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U23_01_005   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as required, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U23_01_006   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "TRUE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U23_01_007   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as required, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfb", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

6.2.24 Interaction between CFNR and COLP

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

6.2.25 Interaction between CFNR and COLR

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

6.2.26 Interaction between CFNR and UUS

> **Selection**: IUT supports the interaction between CFNR and UUS.
> PICS: MC 1.22 AND MC 1.9.

6.2.26.1 Test suite substructure
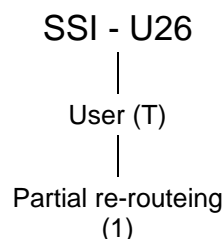
SSI - U26
|
User (T)
|
Partial re-routeing
(1)

NOTE 1: Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2: No TPs are required for the user at the S/T reference point

Figure 18: U26 test suite substructure - level 2

6.2.26.2 Partial re-routeing (T ref. point)

SSI_U26_01_001   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested implicitly and UUI was included in the request, to divert this UUS request using partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component and a q931InfoElement parameter including the received UUI information
> remains in the same call state and enters (diversion service) Wait Route state.

SSI_U26_01_002   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as preferred and UUI was included in the request, to divert this UUS request using partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "TRUE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U26_01_003   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as required and UUI was included in the request, to divert this UUS request using partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U26_01_004   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "TRUE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U26_01_005   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as required, to divert this UUS request using partial re-routeing
> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U26_01_006   subclause 5.23.3.2.1   valid   mandatory
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "TRUE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**:   IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U26_01_007   subclause 5.23.3.2.1   valid   mandatory
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as required, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfnr", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**:   IUT supports the sending of UUSRequest invoke component. PICS: P 4.

6.2.27   Interaction between CFU and COLP

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

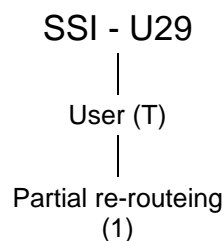### 6.2.28   Interaction between CFU and COLR

This interaction is covered by clause 9.2.3.1 of the Diversion supplementary services base standard ETS 300 207-1 [5]. No test purpose is required for the user.

6.2.29   Interaction between CFU and UUS

> **Selection**:   IUT supports the interaction between CFU and UUS.
>   PICS: MC 1.23 AND MC 1.9.

6.2.29.1   Test suite substructure

<div align="center">

SSI - U29

|

User (T)

|

Partial re-routeing
(1)

</div>

> NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
> NOTE 2:   No TPs are required for the user at the S/T reference point.

Figure 19: U29 test suite substructure - level 2

6.2.29.2   Partial re-routeing (T ref. point)

SSI_U29_01_001   subclause 5.23.3.2.1   valid   mandatory
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested implicitly and UUI was included in the request, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component and a q931InfoElement parameter including the received UUI information
> remains in the same call state and enters (diversion service) Wait Route state.

SSI_U29_01_002   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as preferred and UUI was included in the request, to divert this UUS request using partial re-routeing

    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "TRUE",

    remains in the same call state and enters (diversion service) Wait Route state.

    Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U29_01_003   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS1 service was requested explicitly as required and UUI was included in the request, to divert this UUS request using partial re-routeing

    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu" and a q931InfoElement parameter including UUI information, and a UUSRequest invoke component including a Service parameter indicating "service1" and a Preferred parameter indicating "FALSE",

    remains in the same call state and enters (diversion service) Wait Route state.

    Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U29_01_004   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing

    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "TRUE",

    remains in the same call state and enters (diversion service) Wait Route state.

    Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U29_01_005   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS2 service was requested explicitly as required, to divert this UUS request using partial re-routeing

    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu", and a UUSRequest invoke component including a Service parameter indicating "service2" and a Preferred parameter indicating "FALSE",

    remains in the same call state and enters (diversion service) Wait Route state.

    Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U29_01_006   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as preferred, to divert this UUS request using partial re-routeing

    sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "TRUE",

    remains in the same call state and enters (diversion service) Wait Route state.

    Selection: IUT supports the sending of UUSRequest invoke component. PICS: P 4.

SSI_U29_01_007   **subclause 5.23.3.2.1**   **valid**   **mandatory**
Ensure that the IUT, having sent a first response to an incoming SETUP message (i.e. being in call state U07, U09 or U25), while a UUS3 service was requested explicitly as required, to divert this UUS request using partial re-routeing

> sends a FACILITY message containing a Facility information element with a CallRerouteing invoke component with a RerouteingReason parameter indicating "cfu", and a UUSRequest invoke component including a Service parameter indicating "service3" and a Preferred parameter indicating "FALSE",
> remains in the same call state and enters (diversion service) Wait Route state.
> **Selection**:   IUT supports the sending of UUSRequest invoke component.
>   PICS: P 4.

6.2.30   Interaction between TP and 3PTY

This subclause refers to ETS 300 195-1 [2], subclause 5.30.2. No test purpose is required for the user.

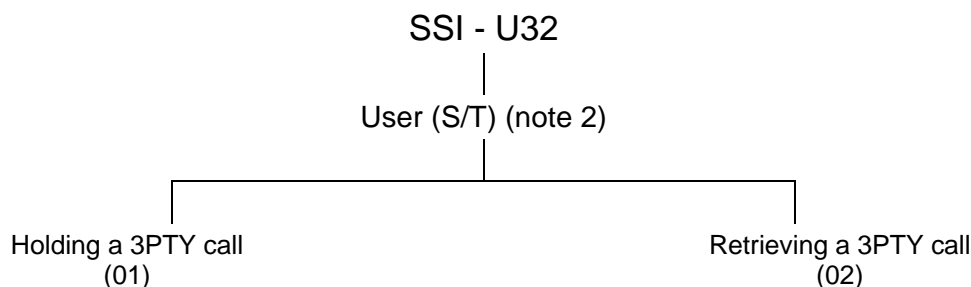### 6.2.31   Interaction between HOLD and TP

This subclause refers to ETS 300 195-1 [2], subclause 5.31.2. No test purpose is required for the user.

6.2.32   Interaction between HOLD and 3PTY

> **Selection**:   IUT supports the interaction between HOLD and 3PTY.
>   PICS: MC 1.25 AND MC 1.11.

6.2.32.1   Test suite substructure

<p align="center">SSI - U32</p>

<p align="center">|</p>

<p align="center">User (S/T) (note 2)</p>

<p align="center">Holding a 3PTY call   Retrieving a 3PTY call
(01)   (02)</p>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   No case for HOLD/3PTY interaction arises at the T reference point.

Figure 20: U32 test suite substructure - level 2

6.2.32.2   Holding a 3PTY call

SSI_U32_01_001   **subclause 5.32.2.2**   **valid**   **mandatory**
Ensure that the IUT, in the 3PTY Active state with CR1 in call state U10 (Idle) and CR2 in call state U10 (Held), to hold the three-way conversation

> sends a HOLD message with CR1
> enters the Hold Requested auxiliary state for CR1
> and remains in the same call states and 3PTY state.

SSI_U32_01_002   **subclause 5.32.2.2**   **valid**   **mandatory**
Ensure that the IUT, in the 3PTY Active state with CR1 in call state U10 (Hold Requested) and CR2 in call state U10 (Held), receiving a HOLD ACKNOWLEDGE message with CR1

> releases the B-channel
> enters the Call Held auxiliary state for CR1
> and remains in the same call states and 3PTY state.

6.2.32.3 Retrieving a 3PTY call

SSI_U32_02_001   **subclause 5.32.2.3**   **valid**   **mandatory**
Ensure that the IUT, in the 3PTY Active state with CR1 in call state U10 (Held) and CR2 in call state U10 (Held), to retrieve the three-way connection
     sends a RETRIEVE message with CR1
     enters the Retrieve Requested auxiliary state for CR1
     and remains in the same call states and 3PTY state.

SSI_U32_02_002   **subclause 5.32.2.3**   **valid**   **mandatory**
Ensure that the IUT, in the 3PTY Active state with CR1 in call state U10 (Retrieve Requested) and CR2 in call state U10 (Held), receiving a RETRIEVE ACKNOWLEDGE message with CR1
     connects to the B-channel
     enters the Idle auxiliary state for CR1
     and remains in the same call states and 3PTY state.

6.2.33 Interaction between CUG and 3PTY

This subclause refers to ETS 300 195-1 [2], subclause 5.33. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.33.

6.2.34 Interaction between ECT and MCID

This subclause refers to ETS 300 195-1 [2], subclause 5.34. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.34.

6.2.35 Interaction between ECT and 3PTY

This subclause refers to ETS 300 195-1 [2], subclause 5.35. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.35.

6.2.36 Interaction between ECT and UUS

This subclause refers to ETS 300 195-1 [2], subclause 5.36. No test purpose related to the specified supplementary service interaction can be defined as the specified behaviour is not observable at the interface between the network and the served user.

6.2.37 Interaction between CCBS and UUS

     Selection: IUT supports the interaction between CCBS and UUS.
                    PICS: MC 1.7 AND MC 1.9.

6.2.37.1 Test suite substructure
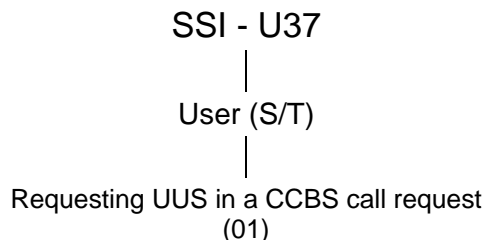
<div align="center">

SSI - U37
|
User (S/T)
|
Requesting UUS in a CCBS call request
(01)

</div>

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

Figure 21: U35 test suite substructure - level 2

6.2.37.2   Requesting UUS in a CCBS call request

SSI_U37_01_001   subclause 5.37.2.1   valid   optional
Ensure that the IUT, in call state U00 and CCBS Free state, to implicitly request the UUS1 supplementary service in a CCBS call,
> sends a SETUP message containing Bearer capability information elements from the original call and a facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component and a User-user information element
> and enters call state U01.

SSI_U37_01_002   subclause 5.37.2.1   valid   optional
Ensure that the IUT, in call state U00 and CCBS Free state, to explicitly request an UUS supplementary service in a CCBS call,
> sends a SETUP message containing Bearer capability information elements from the original call and a facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component and a UserUserService invoke component
> and enters call state U01.

6.2.38   Interaction between CCBS and CLIP

This subclause refers to ETS 300 195-1 [2], subclause 5.38. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.38.

**6.2.39   Interaction between CCBS and CLIR**

This subclause refers to ETS 300 195-1 [2], subclause 5.39.

No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.39.

6.2.40   Interaction between CCBS and CUG

> **Selection**:   IUT supports the interaction between CCBS and CUG.
> PICS: MC 1.7 AND MC 1.8.

6.2.40.1   Test suite substructure
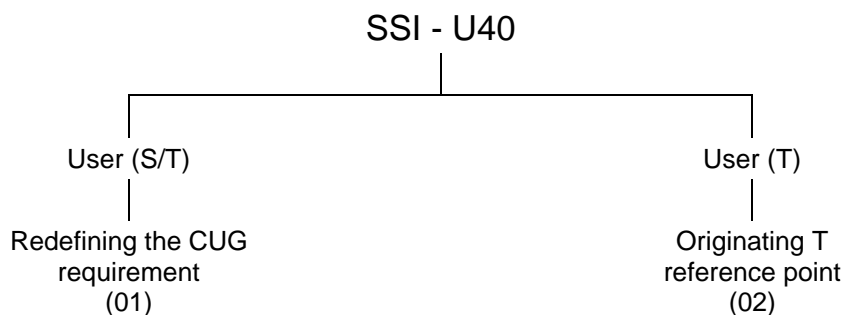
> NOTE: Numbers in brackets represent subgroup numbers and are used in TP identifiers.

Figure 22: U40 test suite substructure - level 2

6.2.40.2   Redefining the CUG requirement (S/T ref. point)

SSI_U40_01_001   subclause 5.40.2.1   valid   optional
Ensure that the IUT, in call state U00 and CCBS Free state, to establish a CCBS call while the original call contained a CUGCall invoke component,
> sends a SETUP message with a Facility information element including a CCBSCall invoke component but not a CUGCall invoke component
> and enters call state U01 and CCBS Call Init state.

6.2.40.3   Originating T reference point

SSI_U40_02_001   subclause 5.40.3.1.1   valid   mandatory
Ensure that the IUT, in call state U00 for CR1 and call state U31 for CR2 (signalling connection), having received a CCBS-T-RemoteUserFree invoke component for CR2, to establish a CCBS call while the original call contained a request for the CUG supplementary service,

sends a SETUP message with a new call reference using the call establishment information used in the original call attempt and includes a FACILITY information element with a CCBS-T-Call invoke component and the original CUGCall invoke component

remains in call state U31 for CR2 and enters call state U01 for CR1.

6.2.41   Interaction between CCBS and MSN

Selection: IUT supports the interaction between CCBS and MSN.
                        PICS: MC 1.7 AND MC 1.4.

6.2.41.1   Test suite substructure
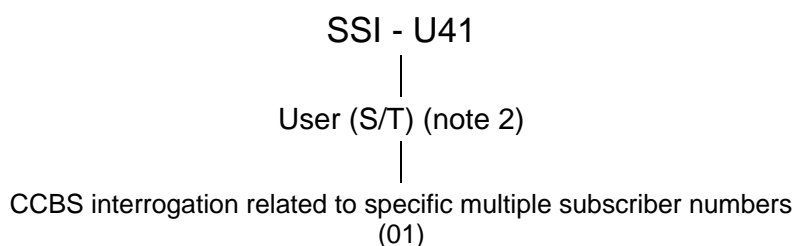
<div align="center">

SSI - U41

|

User (S/T) (note 2)

|

CCBS interrogation related to specific multiple subscriber numbers
(01)

</div>

NOTE 1:   Numbers in brackets represent subgroup numbers and are used in TP identifiers.
NOTE 2:   No case for CCBS/MSN interaction arises at the T reference point.

Figure 23: U41 test suite substructure - level 2

6.2.41.2   CCBS interrogation related to specific multiple subscriber numbers

SSI_U41_01_001   subclause 5.41.2.1.1   valid   mandatory
Ensure that the IUT, in call state U00 and CCBS Activated state, while the MSN supplementary service is provided to the served user, to interrogate the CCBS supplementary service related to a specific multiple subscriber number,

sends a FACILITY message using the dummy call reference containing a Facility information element with a CCBSInterrogate invoke component without a CCBSReference parameter but including a PartyNumberOfA parameter containing the multiple subscriber number

remains in the same call state and enters the CCBS Interrogation Requested state.

6.2.42   Interaction between CCBS and SUB

This subclause refers to ETS 300 195-1 [2], subclause 5.42. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.42.

6.2.43   Interaction between FPH and COLP

This subclause refers to ETS 300 195-1 [2], subclause 5.43. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.43.

6.2.44   Interaction between ECT and CUG

This subclause refers to ETS 300 195-1 [2], subclause 5.44. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.44.

6.2.45 Interaction between ECT and TP

This subclause refers to ETS 300 195-1 [2], subclause 5.45. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.45.

6.2.46 Interaction between CONF and MCID

This subclause refers to ETS 300 195-1 [2], subclause 5.46. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.46.

6.2.47 Interaction between CCBS and CW

This subclause refers to ETS 300 195-1 [2], subclause 5.47. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.47.

6.2.48 Interaction between UUS and TP

This subclause refers to ETS 300 195-1 [2], subclause 5.48. No test purpose related to the specified supplementary service interaction can be defined as there are no requirements defined for the user in ETS 300 195-1 [2], subclause 5.48.

7 Compliance

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

a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 6;
b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 5;
c) use the same naming conventions for the test groups and test cases;
d) maintain the relationship specified in clause 6 between the test groups and TPs and the entries in the PICS proforma to be used for test case deselection;
e) comply with ISO/IEC 9646-2 [7].

In the case of a) or b) above, a subset shall be used only where a particular Abstract Test Method (ATM) makes some TPs untestable. All testable TPs from clause 6 shall be included in a compliant ATS.

8 Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [7], shall be used by any organization claiming to provide a comprehensive testing service for user equipment claiming conformance to ETS 300 195-1 [2].

History

Document history			
June 1996	Public Enquiry	PE 108:	1996-06-24 to 1996-10-18
March 1997	Vote	V 9720:	1997-03-18 to 1997-05-16