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

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Contents

Foreword

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

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

Part 1: "Protocol specification";

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

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

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

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

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

Transposition dates	
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1   Scope

This third part of ETS 300 286 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 User-to-User Signalling (UUS) supplementary service for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, ETS 300 286-1 [1].

A further part of this ETS specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on this ETS. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the Network side of the T reference point or coincident S and T reference point of implementations conforming to ETS 300 286-1 [1].

2   Normative references

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

[1]   ETS 300 286-1 (1996): "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[2]   ETS 300 286-2 (1996): "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

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

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

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

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

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

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

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

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

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

3 Definitions

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

3.1 Definitions related to conformance testing

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

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

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

Implementation Under Test (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].

passive test: A test case where the IUT is required to respond to a protocol event (e.g. received message) with another protocol event (e.g. send message) which normally does not require any special operator intervention as associated with the implicit send event.

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

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

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

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

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

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

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

3.2 Definitions related to ETS 300 286-1

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

called user: The user at the destination side of the call.

calling user: The user at the origination side of the call.

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

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

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

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

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

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

served user: The served user is the user who invokes the UUS supplementary service. The served user is the calling user except for service 3 where the called user, as a network option can invoke the service 3 in the Active call state.

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

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

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

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

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

4 Abbreviations

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

ATS	Abstract Test Suite
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure
U00	Null call state
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
U19	Release Request call state
U25	Overlap Receiving call state
UUS	User-to-User Signalling
UUS1/2/3	UUS service 1/2/3

5 Test Suite Structure (TSS)

Served user	**Group**

- Service 1
    - activation
        - implicit (01)
        - explicit (02)
    - invocation
        - during call establishment (03)
        - during call clearing
            - initiated by the calling user (04)
            - initiated by the called user (05)
- Service 2
    - activation (06)
    - invocation (07)
- Service 3
    - activation
        - during call establishment (08)
        - during active call state (09)
    - invocation (10)

Called user

- Service 1
    - activation
        - implicit (12)
        - explicit (13)
    - invocation
        - during call establishment (14)
        - during call clearing
            - initiated by the calling user (15)
            - initiated by the called user (16)
- Service 2
    - activation (17)
    - invocation (18)
- Service 3
    - activation
        - during call establishment (19)
        - active call state (20)
    - invocation (21)

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

Figure 1: Test suite structure

6 Test Purposes (TP)

6.1 Introduction

For each test requirement a TP is defined.

6.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

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

6.1.2 Source of TP definition

The TPs are based on ETS 300 286-1 [1].

6.1.3 TP structure

Each TP has been written in a manner which is consistent with all other TPs. The intention of this is to make the TPs more readable and checkable. A particular structure has been used and this is illustrated in table 2. This table should be read in conjunction with any TP, i.e. use a TP as an example to fully understand the table.

Table 2: Structure of a single TP for UUS

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>	 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 remains in the same state *or* and enters state <state>	sends, saves, does, etc. using en bloc sending, ...
Message structure	<message type> message containing a *a)* <info element> information element with *b)* a <field name> encoded as *or* including <coding of the field> and *back to a or b,*	SETUP, FACILITY, CONNECT, ... Bearer capability, Facility, ...
NOTE:	Text in italics will not appear in TPs and text between <> is filled in for each TP and may differ from one TP to the next.	

6.1.4   Test strategy

As the base standard ETS 300 286-1 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETS 300 286-2 [2]. The criteria applied include the following:

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

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

6.2   User TPs for UUS

All PICS items referred to in this subclause are as specified in ETS 300 286-2 [2] unless indicated otherwise by another numbered reference.

6.2.1   Served user

6.2.1.1   Service 1 (UUS1)

        Selection: IUT supports service 1. PICS: MC 1.1.

6.2.1.1.1   Activation

6.2.1.1.1.1   Implicitly requested

UUS_U01_001   subclause 9.1.1.1.1   valid   mandatory
Ensure that the IUT in the Null call state U00, to establish a call requesting implicitly the activation of UUS supplementary service 1,
        transmits a SETUP message containing a User-user information element and enters the Call Initiated call state U01.
        Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

6.2.1.1.1.2   Explicitly requested

UUS_U02_001   subclause 9.1.1.2.1   valid   mandatory
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 1 as preferred,
        transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 preferred and enters the Call Initiated call state U01.
        Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

        NOTE 1:   The use of UUI as part of invocation simultaneously with request of the service 1 is tested in the test group "service 1 invocation".

UUS_U02_002   subclause 9.1.1.2.1   valid   mandatory
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 1 as required,
        transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 required and enters the Call Initiated call state U01.
        Selection: IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

UUS_U02_003   subclause 9.1.1.2.1   valid   mandatory
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of an ALERTING message including a Facility information element containing a return result component,
        transmits no message and enters the Call Delivered call state U04
        Selection: IUT supports the procedures associated with the explicit request of service 1. PICS: MC 1.1.2.

UUS_U02_004   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a CONNECT message including a Facility information element containing a return result component,

> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1. PICS: MC 1.1.2.

UUS_U02_005   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a return result component,

> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1. PICS: MC 1.1.2.

> NOTE 2:   The use of UUI as part of invocation simultaneously with request of the service 1 is tested in the test group "service 1 invocation".

UUS_U02_006   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1, on receipt of a CONNECT message including a Facility information element containing a return result component,

> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1. PICS: MC 1.1.2.

UUS_U02_007   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a return result component,

> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1. PICS: MC 1.1.2.

> NOTE 3:   The use of UUI as part of invocation simultaneously with request of the service 1 is tested in the test group "service 1 invocation".

UUS_U02_008   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS1, on receipt of a SETUP ACKNOWLEDGE message including a Facility information element containing a return error component encoded as "rejected by network",

> transmits no message and enters the Overlap Sending call state U02.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_009   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS1, on receipt of a PROGRESS message including a Facility information element containing a return error component encoded as "rejected by network",

> transmits no message and remains in the same state.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_0010 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS1, on receipt of a CALL PROCEEDING message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Outgoing Call Proceeding call state U03.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_011 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS1, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #47 (Resource unavailable, unspecified),
    transmits no message and enters the Null call state U00.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

UUS_U02_012 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS1, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #50 (Requested facility not subscribed),
    transmits no message and enters the Null call state U00.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

UUS_U02_013 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Overlap Sending call state U02 and in the Calling User Request state for UUS1, on receipt of a CALL PROCEEDING message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Outgoing Call Proceeding call state U03.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_014 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a ALERTING message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Call Delivered call state U04.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_015 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of an ALERTING message including a Facility information element containing a return error component encoded as "rejected by user",
    transmits no message and enters the Call Delivered call state U04
    Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_0016 **subclause 9.1.1.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a CONNECT message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Active call state U10;
    or
    transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U02_017   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of a CONNECT message including a Facility information element containing a return
error component encoded as "rejected by user",
    transmits no message and enters the Active call state U10;
    or
    transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        preferred. PICS: SC 1.1.

UUS_U02_018   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by user" and a Cause information element with Cause value
#29 (Facility rejected),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        required. PICS: SC 1.2.

UUS_U02_019   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by network" and a Cause information element with Cause
value #47 (Resource unavailable, unspecified),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        required. PICS: SC 1.2.

UUS_U02_020   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by network" and a Cause information element with Cause
value #50 (Requested facility not subscribed),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        required. PICS: SC 1.2.

UUS_U02_021   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by user" and a Cause information element with Cause value
#69 (Requested facility not implemented),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        required. PICS: SC 1.2.

UUS_U02_022   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a PROGRESS message including a Facility information element containing a return error
component encoded as "rejected by network",
    transmits no message and remains in the same state.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        preferred. PICS: SC 1.1.

UUS_U02_023   **subclause 9.1.1.2.2**   **inopportune   mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a CONNECT message including a Facility information element containing a return error
component encoded as "rejected by network",
    transmits no message and enters the Active call state U10;
    or
    transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
    Selection: IUT supports the procedures associated with the explicit request of service 1 as
        preferred. PICS: SC 1.1.

UUS_U02_024   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a CONNECT message including a Facility information element containing a return error
component encoded as "rejected by user",
>   transmits no message and enters the Active call state U10;
>   or
>   transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>   preferred. PICS: SC 1.1.

UUS_U02_025   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a DISCONNECT message including a Facility information element containing a return error
component encoded as "rejected by user" and a Cause information element with Cause value #29
(Facility rejected),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>   required. PICS: SC 1.2.

UUS_U02_026   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a DISCONNECT message including a Facility information element containing a return error
component encoded as "rejected by network" and a Cause information element with Cause value #47
(Resource unavailable, unspecified),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>   required. PICS: SC 1.2.

UUS_U02_027   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a DISCONNECT message including a Facility information element containing a return error
component encoded as "rejected by network" and a Cause information element with Cause value #50
(Requested facility not subscribed),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>   required. PICS: SC 1.2.

UUS_U02_028   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1,
on receipt of a DISCONNECT message including a Facility information element containing a return error
component encoded as "rejected by user" and a Cause information element with Cause value #69
(Requested facility not implemented),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>   required. PICS: SC 1.2.

6.2.1.1.2   Invocation

6.2.1.1.2.1   During call establishment

UUS_U03_001   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS1, on receipt of an ALERTING message including a Facility information element containing a
return result component and a User-user information element with User information,
>   transmits no message and enters the Call Delivered call state U04.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1.
>   PICS: MC 1.1.2.

UUS_U03_002   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a CONNECT message including a Facility information element containing a return result component and a User-user information element with User information,
     transmits no message and enters the Active call state U10;
     or
     transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
     Selection: IUT supports the procedures associated with the explicit request of service 1.
         PICS: MC 1.1.2.

UUS_U03_003   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a return result component and a User-user information element with User information,
     transmits a RELEASE message and enters the Release Request call state U19.
     Selection: IUT supports the procedures associated with the explicit request of service 1.
         PICS: MC 1.1.2.

UUS_U03_004   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1, on receipt of a CONNECT message including a Facility information element containing a return result component and a User-user information element with User information,
     transmits no message and enters the Active call state U10;
     or
     transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
     Selection: IUT supports the procedures associated with the explicit request of service 1.
         PICS: MC 1.1.2.

UUS_U03_005   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS1, on receipt of a DISCONNECT message including a Facility information element containing a return result component and a User-user information element with User information,
     transmits a RELEASE message and enters the Release Request call state U19.
     Selection: IUT supports the procedures associated with the explicit request of service 1.
         PICS: MC 1.1.2.

UUS_U03_006   **subclause 9.1.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of an ALERTING message including a User-user information element with User information,
     transmits no message and enters the Call Delivered call state U04.
     Selection: IUT supports the procedures associated with the implicit request of service 1.
         PICS: MC 1.1.1.

UUS_U03_007   **subclause 9.1.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of a CONNECT message including a User-user information element with User information,
     transmits no message and enters the Active call state U10;
     or
     transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
     Selection: IUT supports the procedures associated with the implicit request of service 1.
         PICS: MC 1.1.1.

UUS_U03_008   **subclause 9.1.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS1, on receipt of a CONNECT message including a User-user information element with User information,
     transmits no message and enters the Active call state U10;
     or
     transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

UUS_U03_009　　　　**subclause 9.1.2.1.2**　　　　**invalid**　　　　**mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of an ALERTING message including a User-user information element with an overall length exceeding 131 octets,
　　　transmits no message and enters the Call Delivered call state U04;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and enters the Call Delivered call state U04.
　　　Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U03_010　　　　**subclause 9.1.2.1.2**　　　　**invalid**　　　　**mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of a CONNECT message including a User-user information element with an overall length exceeding 131 octets,
　　　transmits no message and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
　　　Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U03_011　　　　**subclause 9.1.2.1.2**　　　　**invalid**　　　　**mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS1, on receipt of a CONNECT message including a User-user information element with an overall length exceeding 131 octets,
　　　transmits no message and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

UUS_U03_012　　　　**subclause 9.1.2.1.2**　　　　**inopportune**　　　　**mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Idle state for UUS1, on receipt of an ALERTING message including a User-user information element with User information,
　　　transmits no message and enters the Call Delivered call state U04;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded).

UUS_U03_013　　　　**subclause 9.1.2.1.2**　　　　**inopportune**　　　　**mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Idle state for UUS1, on receipt of a CONNECT message including a User-user information element with User information,
　　　transmits no message and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and enters the Active call state U10;
　　　or
　　　transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

UUS_U03_014   **subclause 9.1.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Idle state for UUS1, on receipt of a CONNECT message including a User-user information element with User information,
  transmits no message and enters the Active call state U10;
  or
  transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and enters the Active call state U10;
  or
  transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

6.2.1.1.2.2   During call clearing

6.2.1.1.2.2.1   Initiated by the calling user

UUS_U04_001   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Activated state for UUS1, to clear the call,
  transmits a DISCONNECT message including a User-user information element with User information, and enters the Disconnect request call state U11.
  Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U04_002   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, to clear the call,
  transmits a DISCONNECT message including a User-user information element with User information, and enters the Disconnect request call state U11.
  Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U04_003   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS1, to clear the call,
  transmits a DISCONNECT message including a User-user information element with User information, and enters the Disconnect request call state U11.

UUS_U04_004   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, to clear the call,
  transmits a DISCONNECT message including a User-user information element with User information, and enters the Disconnect request call state U11.

6.2.1.1.2.2.2   Initiated by the called user

UUS_U05_001   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
  transmits a RELEASE message and enters the Release Request call state U19.
  Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U05_002   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
  transmits a RELEASE message and enters the Release Request call state U19.

UUS_U05_003   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
  transmits a RELEASE message and enters the Release Request call state U19.

UUS_U05_004   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with an overall length exceeding 131 octets,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U05_005   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with an overall length exceeding 131 octets,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

UUS_U05_006   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with an overall length exceeding 131 octets,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

UUS_U05_007   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Idle state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

UUS_U05_008   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Idle state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

UUS_U05_09   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Idle state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
    transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

6.2.1.2   Service 2 (UUS2)

    Selection: IUT supports service 2. PICS: MC 1.2.

6.2.1.2.1   Activation

UUS_U06_001   **subclause 9.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 2 as preferred,
    transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 preferred and enters the Call Initiated call state U01.
    Selection: IUT supports the procedures associated with the explicit request of service 2 as preferred. PICS: SC 2.1.

UUS_U06_002   **subclause 9.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 2 as required,
    transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 required and enters the Call Initiated call state U01.
    Selection: IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U06_003   **subclause 9.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS2, on receipt of an ALERTING message including a Facility information element containing a
return result component,
> transmits no message and enters the Call Delivered call state U04.

UUS_U06_004   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS2, on
receipt of a SETUP ACKNOWLEDGE message including a Facility information element containing a
return error component encoded as "rejected by network",
> transmits no message and enters the Overlap Sending call state U02.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> preferred. PICS: SC 2.1.

UUS_U06_005   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS2, on
receipt of a CALL PROCEEDING message including a Facility information element containing a return
error component encoded as "rejected by network",
> transmits no message and enters the Outgoing Call Proceeding call state U03.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> preferred. PICS: SC 2.1.

UUS_U06_006   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS2, on receipt of a PROGRESS message including a Facility information element containing a
return error component encoded as "rejected by network",
> transmits no message and remains in the same state.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> preferred. PICS: SC 2.1.

UUS_U06_007   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS2, on receipt of a ALERTING message including a Facility information element containing a return
error component encoded as "rejected by network",
> transmits no message and enters the Call Delivered call state U04.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> preferred. PICS: SC 2.1.

UUS_U06_008   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS2, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by network" and a Cause information element with Cause
value #47 (Resource unavailable, unspecified),
> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> required. PICS: SC 2.2.

UUS_U06_009   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state
for UUS2, on receipt of a DISCONNECT message including a Facility information element containing a
return error component encoded as "rejected by network" and a Cause information element with Cause
value #50 (Requested facility not subscribed),
> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 2 as
> required. PICS: SC 2.2.

UUS_U06_010   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS2, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #47 (Resource unavailable, unspecified),
>   transmits no message and enters the Null call state U00.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U06_011   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS2, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #50 (Requested facility not subscribed),
>   transmits no message and enters the Null call state U00.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U06_012   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS2, on receipt of an ALERTING message including a Facility information element containing a return error component encoded as "rejected by user",
>   transmits no message and enters the Call Delivered call state U04
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as preferred. PICS: SC 2.1.

UUS_U06_013   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS2, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U06_014   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS2, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #69 (Requested facility not implemented),
>   transmits a RELEASE message and enters the Release Request call state U19.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U06_015   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS2, on receipt of a CONNECT message,
>   transmits no message and enters the Active call state U10;
>   or
>   transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as preferred. PICS: SC 2.1.

UUS_U06_016   **subclause 9.2.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS2, on receipt of a CONNECT message,
>   transmits a DISCONNECT message including a Cause information element with Cause value #16 (Normal call clearing), and enters the Disconnect request call state U11.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

6.2.1.2.2 Invocation

UUS_U07_001   subclause 9.2.2.1   valid   mandatory
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS2, on receipt of an USER INFORMATION message including an User-user information element with User information,
> transmits no message and remains in the same state.

UUS__U07_002   subclause 9.2.2.2   valid   mandatory
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS2, in order to invoke UUS2,
> transmits a USER INFORMATION message including an UUI information element and remains in the same state.

UUS__U07_003   subclause 9.1.2.1.2   invalid   mandatory
Ensure that the IUT in the Call Delivered call state U04 and in the Activated state for UUS2, on receipt of an USER INFORMATION message including a User-user information element with an overall length exceeding 131 octets,
> transmits no message and remains in the same state;
> or
> transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and remains in the same state.

UUS__U07_004   subclause 9.2.2.1   inopportune   mandatory
Ensure that the IUT in the Call Delivered call state U04 and in the Idle state for UUS2, on receipt of an USER INFORMATION message including an User-user information element with User information,
> transmits no message and remains in the same state;
> or
> transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and remains in the same state.

6.2.1.3 Service 3 (UUS3)

6.2.1.3.1 Activation

6.2.1.3.1.1 During call establishment

UUS_U08_001   subclause 9.3.1.1.1   valid   mandatory
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 3 as preferred,
> transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 preferred and enters the Call Initiated call state U01.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_002   subclause 9.3.1.1.1   valid   mandatory
Ensure that the IUT in the Null call state U00, to establish a call requesting explicitly the activation of UUS supplementary service 3 as required,
> transmits a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 required and enters the Call Initiated call state U01.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_003   subclause 9.3.1.1.1   valid   mandatory
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a CONNECT message including a Facility information element containing a return result component,
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

UUS_U08_004   **subclause 9.3.1.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a CONNECT message including a Facility information element containing a return result component,
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.

UUS_U08_005   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a CONNECT message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_006   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a CONNECT message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_007   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS3, on receipt of a SETUP ACKNOWLEDGE message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and enters the Overlap Sending call state U02.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_008   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS3, on receipt of a PROGRESS message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and remains in the same state.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_009   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a PROGRESS message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and remains in the same state.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_010   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS3, on receipt of a CALL PROCEEDING message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and enters the Outgoing Call Proceeding call state U03.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_011   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Overlap Sending call state U02 and in the Calling User Request state for UUS3, on receipt of a CALL PROCEEDING message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Outgoing Call Proceeding call state U03.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_012   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a ALERTING message including a Facility information element containing a return error component encoded as "rejected by network",
    transmits no message and enters the Call Delivered call state U04.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_013   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #47 (Resource unavailable, unspecified),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_014   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #50 (Requested facility not subscribed),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_015   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #47 (Resource unavailable, unspecified),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_016   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #50 (Requested facility not subscribed),
    transmits a RELEASE message and enters the Release Request call state U19.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_017   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS3, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #47 (Resource unavailable, unspecified),
    transmits no message and enters the Null call state U00.
    Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_018   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Initiated call state U01 and in the Calling User Request state for UUS3, on receipt of a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by network" and a Cause information element with Cause value #50 (Requested facility not subscribed),
> transmits no message and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_019   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03, and in the Calling User Request state for UUS3 on receipt of a CONNECT message including a Facility information element containing a return error component encoded as "rejected by user",
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_020   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a CONNECT message including a Facility information element containing a return error component encoded as "rejected by user",
> transmits no message and enters the Active call state U10;
> or
> transmits a CONNECT ACKNOWLEDGE message and enters the Active call state U10.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U08_021   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Outgoing Call Proceeding call state U03 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #69 (Requested facility not implemented),
> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U08_022   **subclause 9.3.1.1.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Delivered call state U04 and in the Calling User Request state for UUS3, on receipt of a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #69 (Requested facility not implemented),
> transmits a RELEASE message and enters the Release Request call state U19.
> **Selection:** IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

6.2.1.3.1.2   During active call state

UUS_U09_001   **subclause 9.3.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10, to request explicitly the activation of UUS supplementary service 3 as preferred,
> transmits a FACILITY message including a Facility information element containing a User User Service invoke component indicating service 3 indicated as preferred and remains in the same state.
> **Selection:** IUT supports the calling user procedures associated with the explicit request of service 3 during Active call state as preferred. PICS: SC 3.2.1.

UUS_U09_002   **subclause 9.3.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Requesting User Request state for UUS3, on receipt of a FACILITY message including a Facility information element containing a return result component,
> transmits no message and remains in the same state.
>> **Selection:** IUT supports the calling user procedures associated with the explicit request of service 3 during Active call state as preferred. PICS: SC 3.2.1.

UUS_U09_003   **subclause 9.3.1.2.2**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Requesting User Request state for UUS3, on receipt of a FACILITY message requesting explicitly the UUS supplementary service 3,
> transmits a FACILITY message including a Facility information element containing a return error component encoded as "rejected by user" and remains in the same state.
>> **Selection:** IUT supports the called user procedures associated with the explicit request of service 3 during Active call state as preferred. PICS: SC 3.2.2.

UUS_U09_004   **subclause 9.3.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Requesting User Request state for UUS3, on receipt of a FACILITY message including a Facility information element containing a return error component encoded as "rejected by network",
> transmits no message and remains in the same state.
>> **Selection:** IUT supports the calling user procedures associated with the explicit request of service 3 during Active call state as preferred. PICS: SC 3.2.1.

UUS_U09_005   **subclause 9.3.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Requesting User Request state for UUS3, on receipt of a FACILITY message including a Facility information element containing a return error component encoded as "rejected by user",
> transmits no message and remains in the same state.
>> **Selection:** IUT supports the calling user procedures associated with the explicit request of service 3 during Active call state as preferred. PICS: SC 3.2.1.

6.2.1.3.2   Invocation

UUS_U10_001   **subclause 9.3.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, in order to invoke UUS3,
> transmits an USER INFORMATION message including a User-user information element and remains in the same state.

UUS_U10_002   **subclause 9.3.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of an USER INFORMATION message including an User-user information element and without More data information element,
> transmits no message and remains in the same state.

UUS_U10_003   **subclause 9.3.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of an USER INFORMATION message including an User-user information element and with More data information element,
> transmits no message and remains in the same state.

UUS_U10_004   **subclause 9.3.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of an USER INFORMATION message including a User-user information element with an overall length exceeding 131 octets,
> transmits no message and remains in the same state;
> or
> transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and remains in the same state.

UUS_U10_005 subclause 9.3.2.2 inopportune mandatory
Ensure that the IUT in the Active call state U10 and in the Idle state for UUS3, on receipt of an USER
INFORMATION message including a User-user information element with User information,
>transmits no message and remains in the same state;
>or
>transmits a STATUS message with a Cause information element with Cause value #43 (Access
>information discarded) and remains in the same state.

6.2.1.3.3 Flow control

UUS_U11_001 subclause 9.3.3.1 valid mandatory
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of a
CONGESTION CONTROL message including a Congestion level information element encoded as
"receiver not ready",
>transmits no message and remains in the same state.

6.2.2 Called User

6.2.2.1 Service 1 (UUS1)

6.2.2.1.1 Activation

6.2.2.1.1.1 Implicitly requested

UUS_U12_001 subclause 9.1.1.1.1 valid mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a User-user
information element without User information,
>transmits an ALERTING message and enters the Call Received call state U07;
>or
>transmits a CONNECT message and enters the Connect Request call state U08.
>**Selection:** IUT supports the procedures associated with the implicit request of service 1.
>PICS: MC 1.1.1.

>NOTE: The use of UUI as part of invocation simultaneously with request of the service 1 is
>tested in the test group "service 1 invocation".

6.2.2.1.1.2 Explicitly requested

UUS_U13_001 subclause 9.1.1.2.1 valid mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility
information element containing a User User Service invoke component indicating service 1 preferred,
>transmits an ALERTING message including a Facility information element containing a return result
>component and enters the Call Received call state U07;
>or
>transmits a CONNECT message including a Facility information element containing a return result
>component and enters the Connect Request call state U08.
>**Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>preferred. PICS: SC 1.1.

>NOTE: The use of UUI as part of invocation simultaneously with request of the service 1 is
>tested in the test group "service 1 invocation".

UUS_U13_002 subclause 9.1.1.2.1 valid mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility
information element containing a User User Service invoke component indicating service 1 required,
>transmits an ALERTING message including a Facility information element containing a return result
>component and enters the Call Received call state U07;
>or
>transmits a CONNECT message including a Facility information element containing a return result
>component and enters the Connect Request call state U08.
>**Selection:** IUT supports the procedures associated with the explicit request of service 1 as
>required. PICS: SC 1.2.

UUS_U13_003   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 preferred, to reject the request of service 1,
>   transmits an ALERTING message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Call Received call state U07;
>   or
>   transmits a CONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Connect Request call state U08.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

UUS_U13_004   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 required, to reject the request of service 1,
>   transmits a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) and enters the Disconnect Request call state U11;
>   or
>   transmits a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) and enters the Null call state U00.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

6.2.2.1.2   Invocation

6.2.2.1.2.1   During call establishment

UUS_U14_001   **subclause 9.1.1.1.1**   **invalid**   **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a User-user information element with User information,
>   transmits an ALERTING message and enters the Call Received call state U07;
>   or
>   transmits a CONNECT message and enters the Connect Request call state U08.
>   **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U14_002   **subclause 9.1.2.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Activated state for UUS1, to invoke the UUS supplementary service 1 during call establishment,
>   transmits an ALERTING message containing a User-user information element and enters the Call Received call state U07;
>   or
>   transmits a CONNECT message containing a User-user information element and enters the Connect Request call state U08.
>   **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U14_003   **subclause 9.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 preferred and a User-user information element,
>   transmits an ALERTING message including a Facility information element containing a return result component and enters the Call Received call state U07;
>   or
>   transmits a CONNECT message including a Facility information element containing a return result component and enters the Connect Request call state U08.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 1 as preferred. PICS: SC 1.1.

UUS_U14_004   **subclause 9.1.1**   **valid**   **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 1 required and a User-user information element,
> transmits an ALERTING message including a Facility information element containing a return result component and enters the Call Received call state U07;
> or
> transmits a CONNECT message including a Facility information element containing a return result component and enters the Connect Request call state U08.
> **Selection:** IUT supports the procedures associated with the explicit request of service 1 as required. PICS: SC 1.2.

6.2.2.1.2.2   During call clearing

6.2.2.1.2.2.1   Initiated by the calling user

UUS_U15_001   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_002   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Connect Request call state U08 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message and enters the Null call state U00.

UUS_U15_003   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Incoming Call Proceeding call state U09 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_004   **subclause 9.1.2.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Overlap Receiving call state U25 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_005   **subclause 9.1.1.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
> transmits a RELEASE message and enters the Release Request call state U19.

UUS_U15_006   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with an overall length exceeding 131 octets,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_007   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Connect Request call state U08 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with an overall length exceeding 131 octets,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

UUS_U15_008   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Incoming Call Proceeding call state U09 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with an overall length exceeding 131 octets,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_009   **subclause 9.1.2.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Overlap Receiving call state U25 and in the Activated state for UUS1, on receipt of a RELEASE message including a User-user information element with an overall length exceeding 131 octets,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.
> **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U15_010   **subclause 9.1.1.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, on receipt of a DISCONNECT message including a User-user information element with an overall length exceeding 131 octets,
> transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Release Request call state U19.

UUS_U15_011   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Idle state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

UUS_U15_012   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Connect Request call state U08 and in the Idle state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

UUS_U15_013   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Incoming Call Proceeding call state U09 and in the Idle state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

UUS_U15_014   **subclause 9.1.1.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Idle state for UUS1, on receipt of a DISCONNECT message including a User-user information element with User information,
> transmits a RELEASE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

UUS_U15_015   **subclause 9.1.2.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Overlap Receiving call state U25 and in the Idle state for UUS1, on receipt of a RELEASE message including a User-user information element with User information,
> transmits a RELEASE COMPLETE message optionally with a Cause information element with Cause value #43 (Access information discarded) and enters the Null call state U00.

6.2.2.1.2.2.2   Initiated by the called user

UUS_U16_001   subclause 9.1.2.2.1   valid   mandatory
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS1, to invoke the UUS supplementary service 1 during call clearing,
>   transmits a DISCONNECT message containing a User-user information element and enters the Disconnect Request call state U11.
>   **Selection:** IUT supports the procedures associated with the implicit request of service 1. PICS: MC 1.1.1.

UUS_U16_002   subclause 9.1.2.2.1   valid   mandatory
Ensure that the IUT in the Connect Request call state U08 and in the Activated state for UUS1, to invoke the UUS supplementary service 1 during call clearing,
>   transmits a DISCONNECT message containing a User-user information element and enters the Disconnect Request call state U11.

UUS_U16_003   subclause 9.1.2.2.1   valid   mandatory
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS1, to invoke the UUS supplementary service 1 during call clearing,
>   transmits a DISCONNECT message containing a User-user information element and enters the Disconnect Request call state U11.

6.2.2.2   Service 2 (UUS2)

>   **Selection:** IUT supports service 2. PICS: MC 1.2.

6.2.2.2.1   Activation

UUS_U17_001   subclause 9.2.1.1   valid   mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 preferred,
>   transmits an ALERTING message including a Facility information element containing a return result component and enters the Call Received call state U07.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as preferred. PICS: SC 2.1.

UUS_U17_002   subclause 9.2.1.1   valid   mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 required,
>   transmits an ALERTING message including a Facility information element containing a return result component and enters the Call Received call state U07.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

UUS_U17_003   subclause 9.2.1.2   valid   mandatory
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 preferred, to reject the request of service 2,
>   transmits an ALERTING message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Call Received call state U07;
>   or
>   transmits a CONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Connect Request call state U08.
>   **Selection:** IUT supports the procedures associated with the explicit request of service 2 as preferred. PICS: SC 2.1.

UUS_U17_004 **subclause 9.2.1.2** **valid** **mandatory**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 2 required, to reject the request of service 2,

transmits a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) enters the Disconnect Request call state U11;
or
transmits a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) enters the Null call state U00.
Selection: IUT supports the procedures associated with the explicit request of service 2 as required. PICS: SC 2.2.

6.2.2.2.2 Invocation

UUS_U18_001 **subclause 9.2.2.1** **valid** **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS2, on receipt of an USER INFORMATION message including an User-user information element with User information,

transmits no message and remains in the same state.

UUS_U18_002 **subclause 9.2.2.1** **valid** **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS2, to invoke the UUS supplementary service 2,

transmits a USER INFORMATION message containing a User-user information element and remains in the same state.

UUS_U18_003 **subclause 9.2.2.2** **invalid** **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Activated state for UUS2, on receipt of an USER INFORMATION message including an User-user information element with an overall length exceeding 131 octets,

transmits no message and remains in the same state;
or
transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and remains in the same state.

UUS_U18_004 **subclause 9.2.2.2** **inopportune** **mandatory**
Ensure that the IUT in the Call Received call state U07 and in the Idle state for UUS2, on receipt of an USER INFORMATION message including an User-user information element with User information,

transmits no message and remains in the same state;
or
transmits a STATUS message with a Cause information element with Cause value #43 (Access information discarded) and remains in the same state.

6.2.2.3 Service 3 (UUS3)

6.2.2.3.1 Activation

6.2.2.3.1.1 During call establishment

Selection: IUT supports the procedures associated with the request of service 3 during Call establishment. PICS: SC 3.1.

UUS_U19_001 **subclause 9.3.1.1.1** **valid** **optional**
Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 required,

transmits a CONNECT message including a Facility information element containing a return result component and enters the Connect Request call state U08.
Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as required. PICS: SC 3.1.2.

UUS_U19_002   **subclause 9.3.1.1.1**   **valid**   **optional**

Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 preferred,

transmits a CONNECT message including a Facility information element containing a return result component and enters the Connect Request call state U08.

Selection: IUT supports the procedures associated with the explicit request of service 3 during Call establishment as preferred. PICS: SC 3.1.1.

UUS_U19_003   **subclause 9.3.1.1.2**   **valid**   **mandatory**

Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 preferred, to reject the request of service 3,

transmits an ALERTING message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Call Received call state U07;
or
transmits a CONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and enters the Connect Request call state U08.

Selection: IUT supports the procedures associated with the explicit request of service 3 as preferred. PICS: SC 3.1.1.

UUS_U19_004   **subclause 9.3.1.1.2**   **valid**   **mandatory**

Ensure that the IUT in the Null call state U00, on receipt of a SETUP message including a Facility information element containing a User User Service invoke component indicating service 3 required, to reject the request of service 3,

transmits a DISCONNECT message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) enters the Disconnect Request call state U11;
or
transmits a RELEASE COMPLETE message including a Facility information element containing a return error component encoded as "rejected by user" and a Cause information element with Cause value #29 (Facility rejected) enters the Null call state U00.

Selection: IUT supports the procedures associated with the explicit request of service 3 as required. PICS: SC 3.1.2.

6.2.2.3.1.2   During active call state

UUS_U20_001   **subclause 9.3.1.2.1**   **valid**   **mandatory**

Ensure that the IUT in the Active call state U10, on receipt of a FACILITY message including a Facility information element containing a User User Service invoke component indicating service 3 preferred,

transmits a FACILITY message including a Facility information element containing a return result component and remains in the same state.

UUS_U20_002   **subclause 9.3.1.2.2**   **valid**   **mandatory**

Ensure that the IUT in the Active call state U10, on receipt of a FACILITY message including a Facility information element containing a User User Service invoke component indicating service 3 preferred, to reject the request of UUS3,

transmits a FACILITY message including a Facility information element containing a return error component encoded as "rejected by user" and remains in the same state.

Selection: IUT supports the procedures associated with the explicit request of service 3 as preferred. PICS: SC 3.1.1.

6.2.2.3.2   Invocation

UUS_U21_001   **subclause 9.3.2.1**   **valid**   **mandatory**

Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, in order to invoke UUS3,

transmits an USER INFORMATION message including a User-user information element and remains in the same state.

UUS_U21_002   **subclause 9.3.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of an
USER INFORMATION message including an User-user information element with User information and
without More data information element,
> transmits no message and remains in the same state.

UUS_U21_003   **subclause 9.3.2.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of an
USER INFORMATION message including an User-user information element and with More data
information element,
> transmits no message and remains in the same state.

UUS_U21_004   **subclause 9.3.2.2**   **invalid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Idle state for UUS3, on receipt of an USER
INFORMATION message including an User-user information element with an overall length exceeding
131 octets,
> transmits no message and remains in the same state;
> or
> transmits a STATUS message with a Cause information element with Cause value #43 (Access
> information discarded) and remains in the same state.

UUS_U21_005   **subclause 9.3.2.2**   **inopportune**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Idle state for UUS3, on receipt of an USER
INFORMATION message including an User-user information element with User information and without
More data information element,
> transmits no message and remains in the same state;
> or
> transmits a STATUS message with a Cause information element with Cause value #43 (Access
> information discarded) and remains in the same state.

6.2.2.3.3   Flow control

UUS_U22_001   **subclause 9.3.3.1**   **valid**   **mandatory**
Ensure that the IUT in the Active call state U10 and in the Activated state for UUS3, on receipt of a
CONGESTION CONTROL message including a Congestion level information element encoded as
"receiver not ready",
> transmits no message and remains in the same state.

7   Compliance

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

a)   consist of a set of test cases corresponding to the set or to a subset of the TPs specified in
        clause 6;
b)   use a TSS which is an appropriate subset of the whole of the TSS specified in clause 5;
c)   use the same naming conventions for the test groups and test cases;
d)   maintain the relationship specified in clause 6 between the test groups and TPs and the entries in
        the PICS proforma to be used for test case deselection;
e)   comply with ISO/IEC 9646-2 [4].

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

8   Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [4], shall be used by any
organization claiming to provide a comprehensive testing service for user equipment claiming
conformance to ETS 300 286-1 [1].

History

<table>
<tr><th colspan="4">Document history</th></tr>
<tr><td>July 1996</td><td>Public Enquiry</td><td>PE 109:</td><td>1996-07-08 to 1996-11-01</td></tr>
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<tr><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td></td></tr>
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