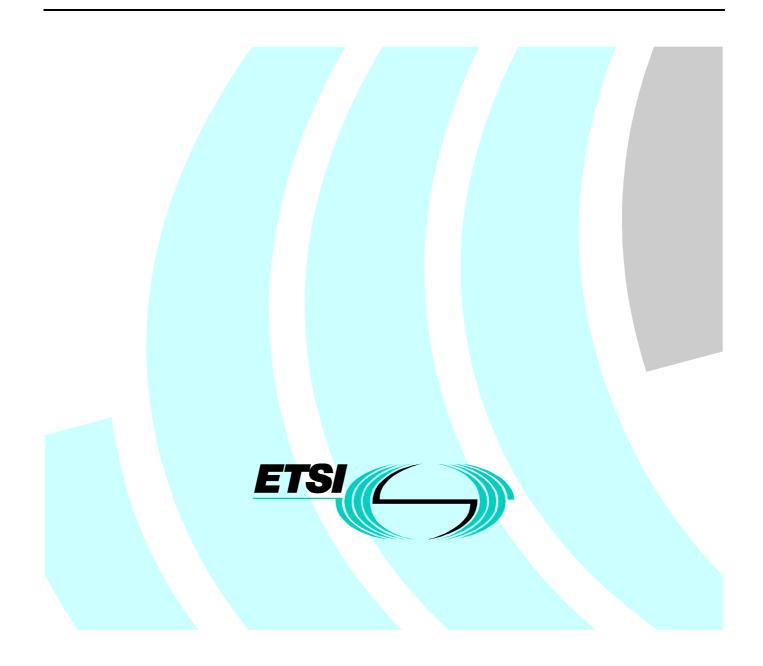# EN 301 001-3 V1.1.3 (1998-10)

European Standard (Telecommunications series)

Integrated Services Digital Network (ISDN);
Outgoing Call Barring (OCB) supplementary services;
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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Reference

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Contents

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document 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); Outgoing Call Barring (OCB) 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: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";

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

National transposition dates	
Date of adoption of this EN:	2 October 1998
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1   Scope

This third part of EN 301 001 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 Outgoing Call Barring (OCB) supplementary service for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, EN 301 001-1 [1].

A further part of the present document specifies the Abstract Test Suite (ATS) and partial PIXIT proforma based on the present document. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the Network side of the T reference point or coincident S and T reference point of implementations conforming to EN 301 001-1 [1].

2   Normative references

References may be made to:

   a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or

   b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or

   c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or

   d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

   [1]   EN 301 001-1: "Integrated Services Digital Network (ISDN); Outgoing Call Barring (OCB) supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

   [2]   EN 301 001-2: "Integrated Services Digital Network (ISDN); Outgoing Call Barring (OCB) supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

   [3]   ISO/IEC 9646-1 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 1: General concepts".

   [4]   ISO/IEC 9646-2 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 2: Abstract test suite specification".

   [5]   ISO/IEC 9646-3 (1992): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 3: The Tree and Tabular Combined Notation (TTCN)".

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

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

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

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

   [10]   ITU-T Recommendation E.164 (1997): "The international public telecommunication numbering plan".

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

3   Definitions and abbreviations

3.1   Definitions

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

3.1.1   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 (LT): 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 (PCO): 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 (SUT): Refer to ISO/IEC 9646-1 [3].

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

3.1.2   Definitions related to EN 301 001-1

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

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

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

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

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

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

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

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

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

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

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).

3.2 Abbreviations

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

ATS	Abstract Test Suite
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
OCB	Outgoing Call Barring
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
TP	Test Purpose
TSS	Test Suite Structure

4 Test Suite Structure (TSS)

Group

Signalling procedures at the coincident S and T reference point and for interworking with private ISDN

Activation	U01
Deactivation	U02
Interrogation	U03
Invocation and operation	U04

Figure 1: Test suite structure

5 Test Purposes (TP)

5.1 Introduction

For each test requirement a TP is defined.

5.1.1 TP naming convention

TPs are numbered, starting at 001, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual 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:	"OCB"	
\<iut\>	=	type of IUT:	U N	User Network
\<group\>	=	group	2 digit field representing group reference according to TSS	
\<nnn\>	=	sequential number	(001-999)	

5.1.2   Source of TP definition

The TPs are based on EN 301 001-1 [1].

5.1.3   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 OCB

TP part	Text	Example
Header	**\<Identifier\>** *tab* **\<paragraph number in base ETS\>** *tab* **\<condition\>** *CR.*	see table 1 **subclause 0.0.0** **mandatory, optional (see note 1)**
Stimulus	Ensure that the IUT in the \<basic call state\> or \<OCB 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 1:	Mandatory test purpose are always applicable. Optional test purposes are applicable according to the configuration options of the IUT. If the configuration option is covered by a PICS item, a selection criteria is indicated, else the selection of the corresponding test cases will depend on test suite parameters (PIXIT) in the ATS.	
NOTE 2:	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.	

5.1.4　Test strategy

As the base standard EN 301 001-1 [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 EN 301 001-2 [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.

5.2　User TPs for OCB

All PICS items referred to in this subclause are as specified in EN 301 001-2 [2] unless indicated otherwise by another numbered reference.

Unless specified:

- The messages indicated are valid and contain at least the mandatory information elements and possibly optional information elements.

- The information elements indicated are valid and contain at least the mandatory parameters and possibly optional parameters.

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

5.2.1　Signalling procedures at the coincident S and T reference point and for interworking with private ISDN

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

5.2.1.1　Activation

OCB_U01_001　subclause 9.1.1.1　　mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service for all basic services,
　　　sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component including the basicService parameter set to "allServices" and enters the OCB Wait Activation state.

OCB_U01_002　subclause 9.1.1.1　　mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service for a specific basic service,
　　　sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component including the basicService parameter set to the specific basic service and enters the OCB Wait Activation state.

OCB_U01_003　subclause 9.1.1.1　　mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service without indication on the served user number,
　　　sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component without servedUserNr parameter and enters the OCB Wait Activation state.

OCB_U01_004　subclause 9.1.1.1　　mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service for a single ISDN number,
　　　sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component including the servedUserNr parameter set to "individualNumber" with a valid partyNumber and enters the OCB Wait Activation state.

OCB_U01_005   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service for all the ISDN numbers,
        sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component
        including the servedUserNr parameter set to "allNumbers" and enters the OCB Wait Activation state.

OCB_U01_006   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service without indication on the barring
program,
        sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component
        without "barringProgram" parameter and enters the OCB Wait Activation state.

OCB_U01_007   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Idle state, to activate the OCB supplementary service for a specific barring program,
        sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component
        including a "barringProgram" parameter and enters the OCB Wait Activation state.

OCB_U01_008   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Wait Activation state, on receipt of a FACILITY message containing a Facility
information element with an ActivationOcb return result component,
        sends no message and enters the OCB Idle state.

OCB_U01_009   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Wait Activation state, on receipt of a FACILITY message containing a Facility
information element with an ActivationOcb return result component, and a FACILITY message (subclause 8.3.2.4 of
EN 300 196-1 [6]) containing a Facility information element with an ActivationStatusNotificationOcb invoke
component,
        sends no message and enters the OCB Idle state.

OCB_U01_010   subclause 9.1.1.1   mandatory
Ensure that the IUT in the OCB Idle state, to modify the activation of the OCB supplementary service (reactivation),
        sends a FACILITY message containing a Facility information element with an ActivationOcb invoke component
        and enters the OCB Wait Activation state.

OCB_U01_011   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "basicServiceNotProvided",
        sends no message and enters the OCB Idle state.

OCB_U01_012   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "notAvailable",
        sends no message and enters the OCB Idle state.

OCB_U01_013   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "notSubscribed",
        sends no message and enters the OCB Idle state.

OCB_U01_014   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "invalidServedUserNr",
        sends no message and enters the OCB Idle state.

OCB_U01_015   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "invalidPin",
        sends no message and enters the OCB Idle state.

OCB_U01_016   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information
element with an ActivationOcb return error component indicating "changeOfPinRequired",
        sends no message and enters the OCB Idle state.

OCB_U01_017   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with an ActivationOcb return error component indicating "userControlBlocked",
>   sends no message and enters the OCB Idle state.

OCB_U01_018   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with an ActivationOcb return error component indicating "invalidBarringProgram",
>   sends no message and enters the OCB Idle state.

OCB_U01_019   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with an ActivationOcb return error component indicating "noBarringProgram",
>   sends no message and enters the OCB Idle state.

OCB_U01_020   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with an ActivationOcb return error component indicating "resourceUnavailable",
>   sends no message and enters the OCB Idle state.

OCB_U01_021   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with an ActivationOcb return error component indicating "supplementaryServiceInteractionNotAllowed",
>   sends no message and enters the OCB Idle state.

OCB_U01_022   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, on expiry of T-ACTIVATE,
>   sends no message and enters the OCB Idle state.

OCB_U01_023   subclause 9.1.1.2   mandatory
Ensure that the IUT in the OCB Wait Activation state, receiving a FACILITY message containing a Facility information element with a reject component indicating the invoke identifier of the activation component,
>   sends no message and enters the OCB Idle state.

5.2.1.2   Deactivation

OCB_U02_001   subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Idle state, to deactivate the OCB supplementary service for all basic services,
>   sends a FACILITY message containing a Facility information element with an DeactivationOcb invoke
>   component including the basicService parameter set to "allServices" and enters the OCB Wait Deactivation state.

OCB_U02_002   subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Idle state, to deactivate the OCB supplementary service for a specific basic service,
>   sends a FACILITY message containing a Facility information element with an DeactivationOcb invoke
>   component including the basicService parameter set to the specific basic service and enters the OCB Wait
>   Deactivation state.

OCB_U02_003   subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Idle state, to deactivate the OCB supplementary service without indication on the served user number,
>   sends a FACILITY message containing a Facility information element with an DeactivationOcb invoke
>   component without servedUserNr parameter and enters the OCB Wait Deactivation state.

OCB_U02_004   subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Idle state, to deactivate the OCB supplementary service for a single ISDN number,
>   sends a FACILITY message containing a Facility information element with an DeactivationOcb invoke
>   component including the servedUserNr parameter set to "individualNumber" with a valid partyNumber and
>   enters the OCB Wait Deactivation state.

OCB_U02_005 subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Idle state, to deactivate the OCB supplementary service for all the ISDN numbers,
sends a FACILITY message containing a Facility information element with an DeactivationOcb invoke
component including the servedUserNr parameter set to "allNumbers" and enters the OCB Wait Deactivation
state.

OCB_U02_006 subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, on receipt of a FACILITY message containing a Facility
information element with an DeactivationOcb return result component,
sends no message and enters the OCB Idle state.

OCB_U02_007 subclause 9.1.2.1   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, on receipt of a FACILITY message containing a Facility
information element with an DeactivationOcb return result component, and a FACILITY message (subclause 8.3.2.4 of
EN 300 196-1 [6]) containing a Facility information element with an DeactivationStatusNotificationOcb invoke
component,
sends no message and enters the OCB Idle state.

OCB_U02_008 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "basicServiceNotProvided",
sends no message and enters the OCB Idle state.

OCB_U02_009 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "notAvailable",
sends no message and enters the OCB Idle state.

OCB_U02_010 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "notSubscribed",
sends no message and enters the OCB Idle state.

OCB_U02_011 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "invalidServedUserNr",
sends no message and enters the OCB Idle state.

OCB_U02_012 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "invalidPin",
sends no message and enters the OCB Idle state.

OCB_U02_013 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "changeOfPinRequired",
sends no message and enters the OCB Idle state.

OCB_U02_014 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "userControlBlocked",
sends no message and enters the OCB Idle state.

OCB_U02_015 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility
information element with an DeactivationOcb return error component indicating "notActivated",
sends no message and enters the OCB Idle state.

OCB_U02_016 subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, on expiry of T-DEACTIVATE,
sends no message and enters the OCB Idle state.

OCB_U02_017   subclause 9.1.2.2   mandatory
Ensure that the IUT in the OCB Wait Deactivation state, receiving a FACILITY message containing a Facility information element with a reject component indicating the invoke identifier of the deactivation component,
	sends no message and enters the OCB Idle state.

## 5.2.1.3	Interrogation

OCB_U03_001   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Idle state, to interrogate the OCB supplementary service for all basic services,
	sends a FACILITY message containing a Facility information element with an InterrogationOcb invoke component including the basicService parameter set to "allServices" and enters the OCB Wait Interrogation state.

OCB_U03_002   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Idle state, to interrogate the OCB supplementary service for a specific basic service,
	sends a FACILITY message containing a Facility information element with an InterrogationOcb invoke component including the basicService parameter set to the specific basic service and enters the OCB Wait Interrogation state.

OCB_U03_003   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Idle state, to interrogate the OCB supplementary service without indication on the served user number,
	sends a FACILITY message containing a Facility information element with an InterrogationOcb invoke component without servedUserNr parameter and enters the OCB Wait Interrogation state.

OCB_U03_004   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Idle state, to interrogate the OCB supplementary service for a single ISDN number,
	sends a FACILITY message containing a Facility information element with an InterrogationOcb invoke component including the servedUserNr parameter set to "individualNumber" with a valid partyNumber and enters the OCB Wait Interrogation state.

OCB_U03_005   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Idle state, to interrogate the OCB supplementary service for all the ISDN numbers,
	sends a FACILITY message containing a Facility information element with an InterrogationOcb invoke component including the servedUserNr parameter set to "allNumbers" and enters the OCB Wait Interrogation state.

OCB_U03_006   subclause 9.1.3.1   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, on receipt of a FACILITY message containing a Facility information element with an InterrogationOcb return result component,
	sends no message and enters the OCB Idle state.

OCB_U03_007   subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, receiving a FACILITY message containing a Facility information element with an InterrogationOcb return error component indicating "basicServiceNotProvided",
	sends no message and enters the OCB Idle state.

OCB_U03_008   subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, receiving a FACILITY message containing a Facility information element with an InterrogationOcb return error component indicating "notAvailable",
	sends no message and enters the OCB Idle state.

OCB_U03_009   subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, receiving a FACILITY message containing a Facility information element with an InterrogationOcb return error component indicating "notSubscribed",
	sends no message and enters the OCB Idle state.

OCB_U03_010   subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, receiving a FACILITY message containing a Facility information element with an InterrogationOcb return error component indicating "invalidServedUserNr",
	sends no message and enters the OCB Idle state.

OCB_U03_011 subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, on expiry of T-INTERROGATE,
        sends no message and enters the OCB Idle state.

OCB_U03_012 subclause 9.1.3.2   mandatory
Ensure that the IUT in the OCB Wait Interrogation state, receiving a FACILITY message containing a Facility
information element with a reject component indicating the invoke identifier of the interrogation component,
        sends no message and enters the OCB Idle state.

5.2.1.4   Invocation and operation

OCB_U04_001 subclause 9.2.1 mandatory
Ensure that the IUT in the Call initiated call state U1 and OCB Idle state, on receipt of a RELEASE COMPLETE
message containing a Facility information element with an OcbInvoked invoke component and a Cause information
element with the cause value #31 "normal unspecified",
        sends no message and enters the Null call state U0.

OCB_U04_002 subclause 9.2.1 mandatory
Ensure that the IUT in the Overlap sending call state U2 and OCB Idle state, on receipt of a DISCONNECT message
containing a Facility information element with an OcbInvoked invoke component and a Cause information element with
the cause value #31 "normal unspecified",
        sends no message and enters the Disconnect indication call state U12.

OCB_U04_003 subclause 9.2.1 mandatory
Ensure that the IUT in the Null call state U0 and OCB Idle state, to initiate an outgoing call and to disable the outgoing
call barring,,
        sends a SETUP message containing a Facility information element with a DisableOcb invoke component and
        enters the Call initiated call state U1.

OCB_U04_004 subclause 9.2.2 mandatory
Ensure that the IUT in the Call initiated call state U1 and OCB Idle state, having sent a SETUP message containing a
Facility information element with a DisableOcb invoke component, on receipt of a RELEASE COMPLETE message
containing a Facility information element with a DisableOcb return error component indicating the error value
"notImplemented",
        sends no message and enters the Null call state U0.

OCB_U04_005 subclause 9.2.2 mandatory
Ensure that the IUT in the Call initiated call state U1 and OCB Idle state, having sent a SETUP message containing a
Facility information element with a DisableOcb invoke component, on receipt of a RELEASE COMPLETE message
containing a Facility information element with a DisableOcb return error component indicating the error value
"invalidPin",
        sends no message and enters the Null call state U0.

OCB_U04_006 subclause 9.2.2 mandatory
Ensure that the IUT in the Call initiated call state U1 and OCB Idle state, having sent a SETUP message containing a
Facility information element with a DisableOcb invoke component, on receipt of a RELEASE COMPLETE message
containing a Facility information element with a DisableOcb return error component indicating the error value
"changeOfPinRequired",
        sends no message and enters the Null call state U0.

OCB_U04_007 subclause 9.2.2 mandatory
Ensure that the IUT in the Call initiated call state U1 and OCB Idle state, having sent a SETUP message containing a
Facility information element with a DisableOcb invoke component, on receipt of a RELEASE COMPLETE message
containing a Facility information element with a DisableOcb return error component indicating the error value
"userControlBlocked",
        sends no message and enters the Null call state U0.

6 Compliance

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

a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 6;

b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 4;

c) use the same naming conventions for the test groups and test cases;

d) maintain the relationship specified in clause 5 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 5 shall be included in a compliant ATS.

7 Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [4], shall be used by any organization claiming to provide a comprehensive testing service for network equipment claiming conformance to EN 301 001-1 [1].

History

Document history				
V1.1.1	January 1998	Public Enquiry	PE 9822:	1998-01-30 to 1998-05-29
V1.1.2	July 1998	Vote	V 9839:	1998-07-28 to 1998-09-25
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