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Core Network and Interoperability Testing (INT);
Network Integration Testing between SIP and
ISDN/PSTN network signalling protocols;
Part 5: Test Suite Structure and Test Purposes (TSS&TP)

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### **Foreword**

This Technical Specification (TS) has been produced by ETSI Technical Committee Core Network and Interoperability Testing (INT).

The present document is part 5 of a multi-part deliverable covering Network Integration Testing between SIP and ISDN/PSTN network signalling protocols, as identified below:

- Part 1: "Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN";
- Part 2: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) for SIP-SIP";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP)".

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## 1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of ISDN, non-ISDN (PSTN) and PES over the national or international SIP-I and SIP II NNI networks. The TSS&TP specification covers the procedures described in Recommendation ITU-T Q.1912.5 [35] or ETSI EN 383 001 [36], ETSI TS 129 163 [40] and Recommendation ITU-T Q.699 [24] or ETSI EN 300 899-1 [37]. For SIP and SDP specific terminology, the reference is ETSI TS 124 229 [i.17].

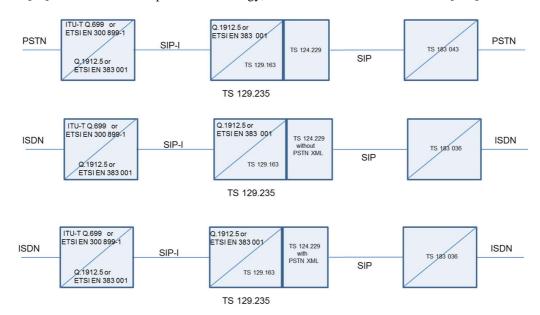


Figure 1: ISDN-ISDN and PSTN- PSTN inter-working testing architecture with SIP-I and ETSI TS 129 235 [i.18] based Interworking

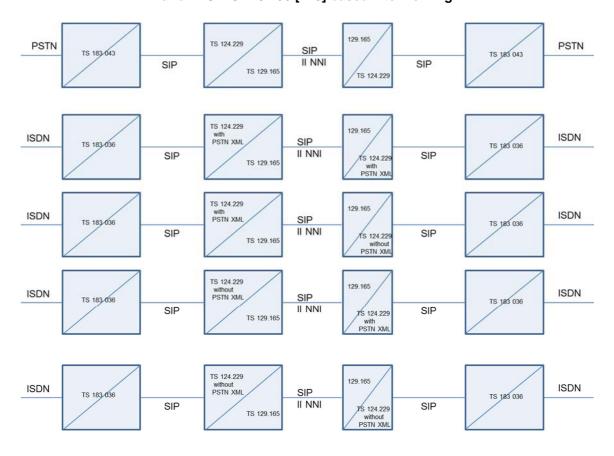


Figure 2: ISDN-ISDN and PSTN-PSTN inter-working testing architecture with SIP II NNI

## 2 References

### 2.1 Normative references

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The following referenced documents are necessary for the application of the present document.

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[1]	ETSI 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]".
[2]	ETSI EN 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz, videotelephony, audiographic conference and videoconference teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[3]	ETSI EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[4]	ETSI EN 300 093-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[5]	ETSI EN 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[6]	ETSI EN 300 098-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[7]	ETSI EN 300 138-1: "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[8]	ETSI EN 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[9]	ETSI EN 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[10]	ETSI EN 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[11]	ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on

Part 1: Protocol specification".

[12]

(CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol;

ETSI EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary

services; Digital Subscriber Signalling System No. One (DSS1); Part 1: Protocol specification".

- [13] ETSI EN 300 210-1: "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [14] ETSI EN 300 130-1: "Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [15] ETSI EN 300 188-1: "Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [16] ETSI EN 300 141-1: "Integrated Services Digital Network (ISDN); Call Hold (HOLD) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [17] ETSI EN 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [18] ETSI EN 300 356-1: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 1: Basic services [ITU-T Recommendations Q.761 to Q.764 (1999) modified]".
- [19] ETSI EN 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [20] ETSI EN 300 195-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Supplementary service interactions; Part 1: Protocol specification".
- [21] ETSI EN 300 289: "Access and Terminals (AT); 64 kbit/s digital unrestricted leased line with octet integrity (D64U); Connection characteristics".
- [22] ETSI EN 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [23] Recommendation ITU-T Q.737.1: "Stage 3 description for additional information transfer supplementary services using Signalling System No. 7: User-to-user signalling (UUS)".
- [24] Recommendation ITU-T Q.699: "Interworking between ISDN access and non-ISDN access over ISDN User Part of Signalling System No. 7".
- [25] Recommendation ITU-T Q.734.2: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Three-party service".
- [26] ETSI 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".
- [27] ETSI EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [28] ETSI EN 300 357: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Service description".
- [29] ETSI EN 301 065-1: "Integrated Services Digital Network (ISDN); Completion of Calls on No Reply (CCNR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [30] ETSI EN 300 001: "Attachments to the Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".

- [31] ETSI ETS 300 648: "Public Switched Telephone Network (PSTN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".
- [32] ETSI EN 300 659-1: "Access and Terminals (AT); Analogue access to the Public Switched Telephone Network (PSTN); Subscriber line protocol over the local loop for display (and related) services; Part 1: On-hook data transmission".
- [33] Recommendation ITU-T V.110: "Support by an ISDN of data terminal equipments with V-Series type interfaces".
- [34] Recommendation ITU-T X.30: "Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)".
- [35] Recommendation ITU-T Q.1912.5: "Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol or ISDN User Part".
- [36] ETSI EN 383 001 (V1.1.1): "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control (BICC) Protocol or ISDN User Part (ISUP) [ITU-T Recommendation Q.1912.5, modified]".
- [37] ETSI EN 300 899-1 (V1.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7; Interworking between ISDN User Part (ISUP) version 2 and Digital Subscriber Signalling System No. one (DSS1); Part 1: Protocol specification [ITU-T Recommendation Q.699, modified]".
- [38] Recommendation ITU-T Q.931 (05/98): "ISDN user-network interface layer 3 specification for basic call control".
- [39] Void.
- [40] ETSI TS 129 163: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163)".
- [41] ETSI TS 183 043: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); IMS-based PSTN/ISDN Emulation; Stage 3 specification".
- [42] ETSI TS 183 036: "Core Network and Interoperability Testing (INT); ISDN/SIP interworking; Protocol specification".
- [43] Void.
- [44] ETSI TS 124 654: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654)".
- [45] ETSI TS 186 001-1 (V3.1.1) (2015-11): "Core Network and Interoperability Testing (INT); Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 1: Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN".
- [46] ETSI EN 300 052-1 (V1.2.4) (1998-06): "Integrated Services Digital Network (ISDN); Multiple Subscriber Number (MSN) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

#### 2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1]	ETSI ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions".
[i.2]	Recommendation ITU-T G.821: "Error performance of an international digital connection operating at a bit rate below the primary rate and forming part of an Integrated Services Digital Network".
[i.3]	Recommendation ITU-T G.822 (1988): "Controlled slip rate objectives of an international digital connection".
[i.4]	Recommendation ITU-T O.152 (1992): "Error performance measuring equipment for bit rates of 64 kbit/s and N x 64 kbit/s".
[i.5]	Recommendation ITU-T I.112 (1993): "Vocabulary and terms for ISDNs".
[i.6]	Recommendation ITU-T I.210 (1993): "Principles of the telecommunication services supported by an ISDN and the means to describe them".
[i.7]	Recommendation ITU-T E.164 (2010): "The international public telecommunication numbering plan".
[i.8]	ISO/IEC 9646-1: "Information Technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General Concepts".
[i.9]	Recommendation ITU-T H.221: "Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices".
[i.10]	Recommendation ITU-T G.711: "Pulse code modulation (PCM) of voice frequencies".
[i.11]	Recommendation ITU-T F.721: "Videotelephony teleservice for ISDN".
[i.12]	Recommendation ITU-T F.182 bis: "Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks".
[i.13]	ISO/IEC 7776: "Information technology Telecommunications and information exchange between systems High-level data link control procedures Description of the X.25 LAPB-compatible DTE data link procedures".
[i.14]	ISO/IEC 8208: "Information technology Data communications X.25 Packet Layer Protocol for Data Terminal Equipment".
[i.15]	ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
[i.16]	Recommendation ITU-T H.242: "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".
[i.17]	ETSI TS 124 229: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3

(3GPP TS 24.229)".

[i.18] ETSI TS 129 235: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched core network and other networks (3GPP TS 29.235)".

## 3 Definition of terms, symbols and abbreviations

### 3.1 Terms

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

Definitions related to conformance testing

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [i.8].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [i.8].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [i.8].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [i.8].

ISDN number: number conforming to the numbering and structure specified in Recommendation ITU-T E.164 [i.7]

lower lester: Refer to ISO/IEC 9646-1 [i.8].

Point of Control and Observation: Refer to ISO/IEC 9646-1 [i.8].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [i.8].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [i.8].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [i.8].

**Test Purpose:** Refer to ISO/IEC 9646-1 [i.8].

Definitions related to ETSI EN 300 403-1 [1]

Integrated Services Digital Network (ISDN): See Recommendation ITU-T I.112 [i.5], clause 2.2, definition 308.

supplementary service: See Recommendation ITU-T I.210 [i.6], clause 2.4.

telecommunications service: See Recommendation ITU-T I.112 [i.5], clause 2.2, definition 201.

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

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

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

Definitions related to test purpose descriptions

BC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]: bearer capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "Recommendation ITU-T standardized rate adaption Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]", including sync/async and user rate values

**BC** = **3,1 kHz audio:** bearer capability information element with its information transfer capability field set to "3,1 kHz Audio" and its user information layer one protocol field set to "G.711 [i.10] A-law"

**BC** = **speech:** bearer capability information element with its information transfer capability field set to "speech" and its user information layer one protocol field set to "G.711 [i.10] A-law"

**BC** = **UDI**: bearer capability information element with its information transfer capability set to "unrestricted digital information"

**BC** = **UDI/TA**: bearer capability information element with its information transfer capability set to "unrestricted digital information with tones/announcements" and its user information layer one protocol field set to "Recommendations ITU-T H.221 [i.9] and H.242 [i.16]"

CF active: call forwarding (U, B or NR) supplementary service is already activated with the address of user C

**CUG default request:** calling user does not include in the outgoing SETUP message an explicit request for the CUG supplementary service

eroded second: second with one or more bit errors

**eroded seconds ratio:** ratio of eroded seconds over all seconds within a specified measuring period, where neither are counted during unavailability periods

**HLC** = **facsimile group 2/3:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (Recommendation ITU-T F.182 bis [i.12])"

**HLC** = **facsimile group 4:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 4 class 1"

**HLC** = **telephony:** High Layer compatibility information element with its high layer characteristics identification field set to "telephony"

**HLC** = **telex:** High Layer Compatibility information element with its high layer characteristics identification field set to "telex"

**HLC** = **videotelephony\_ic:** High Layer Compatibility information element with its high layer characteristics identification field set to "videotelephony (Recommendation ITU-T F.721 [i.11])" and its extended audiovisual characteristics field set to "capability set of initial channel of Recommendation ITU-T H.221 [i.9]"

**LLC** = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]: Low Layer compatibility information element with its user information layer 1 field indicating "Recommendation ITU-T standardized rate adaption Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]" and including sync/async and user rate values

**LLC** = **telematic\_term:** Low Layer Compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE [i.13] operation" and user information layer 3 field indicating "ISO/IEC 8208 [i.14]"

**LLC** = **voice band data via modem:** Low Layer Compatibility information element with its user information layer 1 field indicating a "modem type" coding

**NPI** = **unknown:** numbering plan identification forwarded to the served user coded as "unknown"

octet slip: slip of one complete octet

PI = PR: Presentation Indicator forwarded to the served user coded as "Presentation restricted"

**PRBS** = **211-1**: pseudo random binary sequence according to Recommendation ITU-T O.152 [i.4] transmitted for two consecutive periods of 24 hours

NOTE: If an unavailability period of more than one hour occurred during the measuring period, it has to be extended accordingly.

**severely eroded second:** second where at least 0,1 % of the bits are eroded (corresponds to a one-second interval with a bit-error ratio worse than  $1 \times 10^{-3}$ )

**severely eroded seconds:** ratio of severely eroded seconds over all seconds within a specified measuring period, where neither are counted during unavailability periods

SI = UPVP: Screening Indicator forwarded to the served user coded as "User-provided, verified and passed"

SI = NP: Screening Indicator forwarded to the served user coded as "Network provided"

slip: one or more extra or missing consecutive unit intervals in the bit stream

**telephony 7 kHz fallback not allowed SETUP message:** SETUP message containing a single BC = UDI/TA and a HLC = telephony

**TON** = **international**: type of number forwarded to the served user coded as "international"

**TON** = **unknown:** type of number forwarded to the served user coded as "unknown"

UI length = 32: length of the User information field of the User-user information element is 32 octets

**unavailability period:** period of time beginning at the first of 10 consecutive severely eroded seconds and ending immediately before the first following period of 10 consecutive seconds none of which are severely eroded

**videotelephony fallback not allowed SETUP message:** SETUP message containing a single BC = UDI/TA and a single HLC = videotelephony\_ic

### 3.2 Symbols

Void.

### 3.3 Abbreviations

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

3GPP 3<sup>rd</sup> Generation Partnership Project

3PTY Three-ParTY conference

AGCF Access Gateway Control Function

AGW Access Gateway
AS Application Server
ATS Abstract Test Suite
BC Bearer Capability

BICC Bearer Independent Call Control
CCBS Completion of Calls to Busy Subscriber
CCBS-T CCBS-T Request invoke component
CCNR Completion of Calls on No Reply
CCNR-T CCNR-T Request invoke component

CD Call Deflection
CF Call Forwarding
CFB Call Forwarding Busy

CFNR Call Forwarding No Response CFU Call Forwarding Unconditional

CLI Calling Line Identity

CLIP Calling Line Identification Presentation
CLIR Calling Line Identification Restriction

CLIRp CLIR temporary
CLIRt CLIR temporary
CN Comfort Noise

COLP COnnected Line identification Presentation
COLR COnnected Line identification Restriction

COLRp COLR temporary
COLRt COLR temporary
CONF CONFerence (add-on)
CR Call Reference

CR Call Reference CRx Call Reference x CRy Call Reference y
CUG Closed User Group
CW Call Waiting
DDI Direct Dialling In
Div Diversion

DLE **Destination Local Exchange** DSS<sub>1</sub> Digital Subscriber System No. 1 DTE **Data Terminal Equipment DTMF** Dual Tone Multi Frequency **ECT** Explicit Call Transfer **EFR** Enhanced Full Rate **Eroded Seconds Ratio ESR FPH** FreePhone Service

FTAM File Transfer Access & Management
GSM Global System for Mobile communications

GVNS Global Virtual Network Service
HLC High Layer Compatibility
IA Incoming Allowed
ICB Incoming Call Baring

ICS Implementation Conformance Statement

IE Information Element
IMS IP Multimedia Subsystem

IP Internet Protocol

ISDN Integrated Services Digital Network

ISUP ISDN User Part

ITCC International Telecommunication Charge Card

IUT Implementation Under Test

IXIT Implementation eXtra Information for Testing

kHz Kilo Herz

LLC Low Layer Compatibility
LPC Linear Predictive Coding
LTE Long Term Evolution
MCID Malicious Call IDentification

MIME Multipurpose Internet Mail Extensions

MSN Multiple Subscriber Number

NA Not Applicable

NDUB Network-Defined User Busy NGN Next Generation Network NIT Network Integration Testing

NN Nor Notifications

NNI Network to Network Interface

NP Network Provided NPI Numbering Plan Indicator

NR Number

NSAP Network Service Access Point NTN No Transmission of Numbers

NTN&N No Transmission of Numbers and Notifications NTN&NN No Transmission of Numbers and Nor Notifications

OA Outgoing Allowed

OAE Outgoing Access, Explicit request required

OAI Outgoing Access, Implicit outgoing access for all communications

**OCB** Outgoing Called Baring **OLE** Originating Local Exchange Open Network Provision ONP Open Systems Interconnection OSI Private Branch Exchange PBX Pulse-Code-Modulation- A law **PCMA PCMU** Pulse-Code-Modulation- U law **PES PSTN** Emulation System Presentation Indicator PΙ

PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing

PLMN Public Land Mobile Network
PR Presentation Restricted

PRBS PseudoRandom Binary Sequence
PSTN Public Switched Telephone Network

PT Posture Transport

QCELP Qualcomm Code-Excited Linear Prediction

QoS Quality of Service

QSIG Q interface Signalling protocol

REV REVerse charging
S/T S or T ISDN Interface
SDP Session Description Protocol
SESR Severely Eroded Seconds Ratio

SI Screening Indicator SIP Session Initiation Protocol

SIP-I Session Initiation Protocol - ISUP (SIP with encapsulated ISUP)

SUB SUBaddressing
SUT System Under Test
TA Tones and Announcements

TC Test Case

TDM Time Division Multiplex

TISPAN Telecoms & Internet converged Services & Protocols for Advanced Networks

TN Transmission of Numbers

TN&N Transmission of Numbers and Notifications

TON Type Of Number
TP Terminal Portability
TSS Test Suite Structure

TSS&TP Test Suite Structure and Test Purposes
TTCN Testing and Test Control Notation
UDI Unrestricted Digital Information

UDI/TA Unrestricted Digital Information with Tone and Announcements

UDUB User Determined User Busy

UE User Equipment UI User Information

UMTS Universal Mobile Telecommunications System

UPVP User Provided Verified Passed UUS User-to-User Signalling

UUS1 UUS service 1
UUS2 UUS service 2
UUS3 UUS service 3
VA VAriable
VGW Voice Gateway

XML eXtensible Markup Language

### 4 Void

## 5 Test Suite Structure (TSS)

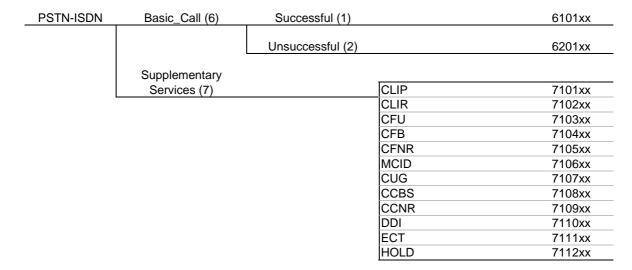
## 5.1 ISDN-ISDN

ISDN-ISDN	Basic_Call (1)	Successful (1)	Speech	1101xx
			UDI	1102xx
			Audio	1103xx
			UDI-TA	1104xx
		Unsuccessful (2)	Speech	1201xx
			UDI	1202xx
			Audio	1203xx
			UDI-TA	1204xx
	Supplementary			
	Services (2)		CLIP	2101xx
			CLIR	2102xx
			COLP	2103xx
			COLR	2104xx
			CUG	2105xx
			SUB	2106xx
			TP	2107xx
			UUS	2108xx
			CONF	2109xx
			CFU	2111xx
			CFB	2112xx
			CFNR	2113xx
			CD	2114xx
			FPH	2115xx
			MCID	2116xx
			3PTY	2117xx
			HOLD	2118xx
			CW	2119xx
			ECT	2120xx
			CCBS	2121xx
			CCNR	2122xx
			Comb	2123xx
			DDI	2124xx
			MSN	2125xx
	B-channel (3)	(0)	Speech	3001xx
	- \-/	\ /	UDI	3002xx
			Audio	3003xx
			UDI-TA	3004xx
			1==	000

## 5.2 ISDN-PSTN

Basic_Call (4)	Successful (1)	Speech	4101xx
		Audio	4102xx
		UDI -TA	4103xx
	Unsuccessful (2)	Speech	4201xx
		UDI	4202xx
		Audio	4203xx
		UDI -TA	4204xx
Supplementary			
Services (5)		CLIP	5101xx
		CLIR	5102xx
		COLP	5103xx
		COLR	5104xx
		CUG	5105xx
		CFU	5106xx
		CFB	5107xx
		CFNR	5108xx
		UUS1	5109xx
		CCBS	5110xx
		CCNR	5111xx
		ECT	5112xx
		HOLD	5113xx
	Supplementary	Unsuccessful (2) Supplementary	Audio UDI -TA  Unsuccessful (2) Speech UDI Audio UDI -TA  Supplementary Services (5) CLIP CLIR COLP COLR CUG CFU CFB CFNR UUS1 CCBS CCNR ECT

## 5.3 PSTN-ISDN



### 5.4 PES-ISDN

_	PES-ISDN	Basic_Call (8)	Successful (1)		8101xx
			Unsuccessful (2)		8201xx
		Supplementary			
		Services (9)		CLIP	9101xx
				CLIR	9102xx
				CFU	9103xx
				CFB	9104xx
				CFNR	9105xx
				MCID	9106xx
				CUG	9107xx
				CCBS	9108xx
				CCNR	9109xx
				DDI	9110xx
				ECT	9111xx
				HOLD	9112xx

### 5.5 ISDN-PES

ISDN-PES	Basic_Call (10)	Successful (1)	Speech	10101xx
			Audio	10102xx
			UDI -TA	10103xx
		Unsuccessful (2)	Speech	10201xx
			UDI	10202xx
			Audio	10203xx
			UDI -TA	10204xx
	Supplementary		'-	
	Services (11)		CLIP	11101xx
			CLIR	11102xx
			COLP	11103xx
			COLR	11104xx
			CUG	11105xx
			CFU	11106xx
			CFB	11107xx
			CFNR	11108xx
			UUS1	11109xx
			CCBS	11110xx
			CCNR	11111xx
			ECT	11112xx
			HOLD	11113xx

## 6 Test Purposes

### 6.1 Introduction

### 6.1.1 Test purpose naming convention

For each test requirement a Test Purpose is defined.

The Test Purposes are identified by a six figure numbering scheme where the first figure identifies the Test Group, followed by a three figure number for subgroup and a two figures serial number, starting at 01, within each group/subgroup. Groups are organized according to the TSS. See table 1.

Table 1: Test Purpose Identifier naming convention scheme

TC <Test group > <Sub group> <nn> Identifier: <Test group>: 1 digit field representing group reference according to TSS 1 = ISDN-ISDN/Basic\_call 2 = ISDN-ISDN/Supplementary\_services 3 = ISDN-ISDN/B-channel 4 = ISDN-PSTN/Basic\_call 5 = ISDN-PSTN/Supplementary\_services 6 = PSTN-ISDN/Basic\_call 7 = PSTN-ISDN/Supplementary\_services <Subgroup>: 3 digit field representing sub group reference according to TSS <nn> = sequential number (01-99)

### 6.1.2 Source of test purpose definition

The Test Purposes are based on ETSI EN 300 403-1 [1] and the applicable standards for supplementary services.

### 6.1.3 Test purpose structure

The Test Purposes are formatted as tables using the format shown in table 2. The text in bold shows the text which is always present. The normal text provides explanation for each field.

Table 2: Format of a single Test Purpose

Identifier	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references:
TSS reference:	Test Suite Structure reference	
Selection criteria:	The criteria necessary in order to select the test	
Test purpose:	Description of the test purpose	
Parameter values:	Values of parameters used for the test execution	n. For explanation of abbreviations see
	clause 3.3	
Comments:		

### 6.1.4 Test strategy

As the base standards contained no explicit requirements for testing, the Test Purposes were generated as a result of an analysis of the base standards and PICS. The criteria applied included the following:

- only the requirements from the point of view of the T or coincident S and T reference point are considered;
- whether or not a test case can be built from the Test Purpose is not considered.

### 6.1.5 End-to-end performance objectives

Recommendation ITU-T G.821 [i.2] defines performance objectives to be meet for each direction of a N  $\times$  64 kbit/s (1  $\leq$  N < 32) circuit-switched connection used for voice or data-type traffic. The Recommendation ITU-T G.821 [i.2] error performance objectives for international ISDN connections are presented in table 3. A measuring period of one month is suggested as a reference.

Table 3: Recommendation ITU-T G.821 [i.2] error performance objectives

Performance parameter	Objective
SESR	Fewer than 0,2 % of one-second intervals to have a bit-error ratio worse than 1 x 10 <sup>-3</sup>
ESR	Fewer than 8 % of one-second intervals to have any errors

ETSI EN 300 289 [21] specifies the technical requirements (and test principles) for the connection characteristics of ONP 64 kbit/s digital unrestricted leased lines with octet integrity. The end-to-end performance objectives are derived from Recommendation ITU-T G.821 [i.2]: the test values have been transformed to fit a measuring period of 24 hours instead of one month, taking also in consideration the circuit configurations relevant for Europe (see ETSI EN 300 289 [21], annex B).

For the ISDN bearer services "unrestricted digital information" and "unrestricted digital information with tones/announcements", the connection characteristics of the B-channel established between users may be considered equivalent in service to a ONP 64 kbit/s Digital Unrestricted leased line (D64U), because the ISDN circuit connection provides equivalent access to the full digital bit rate of 64 kbit/s with no restrictions on the binary content, using network timing for both directions of the transmission. For those bearer services, for the performance of the end-to-end B-channel connection, it is proposed to adopt the performance objectives defined in ETSI EN 300 289 [21] and presented in table 4, using a 24 hours measurement period.

Table 4: B-channel performance objectives

Error parameters	Value
Octet slip	5 per 24 hours period
Eroded seconds	5 324 per 24 hours period
Severely eroded seconds	105 per 24 hours period

#### Octet slip

Requirement: For at least one of two consecutive periods of 24 hours the number of octet slips shall be less than 5 (slips other than octet slips are considered as errors).

NOTE 1: This requirement is based on Recommendation ITU-T G.822 [i.3], clause 2 and table 1.

#### Eroded seconds

Requirement: For at least one of two consecutive 24 hours measuring periods the number of eroded seconds shall be less than 5 324.

NOTE 2: This 24 hours test limit corresponds to a mean eroded seconds ratio of  $6.4 \times 10^{-2}$ .

#### Severely eroded seconds

Requirement: For at least one of two consecutive 24 hours measuring periods the number of severely eroded seconds shall be less than 105.

NOTE 3: This 24 hours test limit corresponds to a mean severely eroded seconds ratio of  $1.5 \times 10^{-3}$ .

## 6.2 Test Purposes

### 6.2.1 Test purposes for ISDN-ISDN, Basic call

### 6.2.1.1 Successful - Speech

110101	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/Speech/110101	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	Ensure that call establishment usi	Ensure that call establishment using <b>en-bloc sending</b> is performed correctly.	
	The called party IE shall be correct	ctly delivered to the called user (e.g. DDI, MSN)	

ISDN Parameter values	SETUP: BC = speech, no HLC
calling user:	CALL PROCEEDING:
3 3 5 5 1	ALERTING: PI#8
ISDN Parameter values	SETUP: BC = speech, no HLC
called user:	
Comments:	Numbering options
	<ul> <li>only subscriber number (Type of Number =unknown)         "0"+area code + subscriber number (Type of Number=unknown)         "00"+ country code "+area code + subscriber number (Type of Number=unknown)         only subscriber number (Type of Number=subscriber)         "0"+area code + subscriber number (Type of Number=subscriber)         "00"+ country code "+area code + subscriber number (Type of Number=subscriber)         oarea code + subscriber number (Type of Number=national)</li> </ul>
	country code + area code + subscriber number (Type of Number=international)

110101A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110101A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
Comments:		

110101B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T Q.931	and 3.1.1
	[38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110101B	
Selection criteria:	PSTN XML and early media are <b>not</b> supported from the <b>calling</b> AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. The <b>called</b> party IE shall be correctly delivered to the called user (e.g. DDI, MSN)	
ISDN Parameter	SETUP: BC = speech, no HLC	· -
values calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band")	
	ALERTING: PI#8	
ISDN Parameter	SETUP: BC = 3,1 kHz audio; PI#1	("Call is not end-to-end ISDN: further call progress
values called user:	information may be available in-band")	
Comments:		

110102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110102
Selection criteria:		pported from the calling and called AGW/VGW
Test purpose:	Ensure that call establishment usin	g <b>overlap</b> sending is performed correctly. The called
	party IE shall be correctly delivered	I to the called user (e.g. DDI, MSN)
ISDN Parameter values	SETUP: BC = speech, no HLC;	
calling user:	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = speech	
called user:	ALERTING:	
Comments:		

4404004	IODNI ( )	0.1 1 (
110102A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110102A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly. The called	
	party IE shall be correctly delivered to the called user (e.g. DDI, MSN)	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be	
_	available in-band");	
	CONNECT	
ISDN Parameter values	BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress information	
called user:	may be available in-band")	
	ALERTING:	
	CONNECT:	
Comments:		

110102B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110102B	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
calling door.	information may be available in-band");	
	ALERTING: PI#8	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERTING:	
	CONNECT:	
Comments:		

110102C	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110102C		
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW		
Test purpose:	Ensure that call establishment is performed correctly when the called user is using overlap to <b>En-bloc</b> conversion. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)		
ISDN Parameter	SETUP: BC = speech, no HLC		
values calling user:	ICALL PROCEEDING:		
Ĭ	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be		
	available in-band")		
ISDN Parameter	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress		
values called user:	information may be available in-band") ALERTING:		
Comments:			

110103	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/S	Speech/110103
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the <b>calling</b> user	
	clears after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#8	
	CONNECT:	
	DISC: PI#16	
ISDN Parameter values	SETUP: BC = speech, no HLC	
called user:	ALERTING:	
	CONNECT:	
	DISC: PI#16	
Comments:		

110103A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110103A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the <b>calling</b> user	
	clears after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#8; PI#1 ("Call is not end-to-end ISDN: further call progress information	
_	may be available in-band")	
	CONNECT:	
	DISC: PI#16	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	CONNECT:	
	DISC: PI#16	
Comments:		

110103B	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110103B	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the <b>calling</b> user	
	clears after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band") PI#8	
	DISC#16	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERTING:	
	CONNECT:	
	DISC#16	
Comments:		

440404	ICDNI reference to:	Oth or relevant references	
110104	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110104		
Selection criteria:			
	PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the <b>called</b> user clears		
	after answer		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERTING: PI#8		
	CONNECT:		
	DISC#16		
ISDN Parameter values	SETUP:BC = speech		
called user:	ALERTING:		
	CONNECT:		
	DISC#16		
Comments:			

4404044	ICDN reference to	Oth on no love and no form and a
110104A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN ISDN/Basic call/Successful/	
	ISDN-ISDN/Basic_call/Successful/Speech/110104A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:	
	DISC#16	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERTING:	,
	CONNECT:	
	DISC#16	
Comments:		

110104B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic call/Successful/	ETSI TS 183 043 [41], clause 5.2.7
Selection criteria:	ISDN-ISDN/Basic_call/Successful/Speech/110104B PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC;	
calling user:	CALL PROCEEDING: PI#1 ("Call is	s not end-to-end ISDN: further call progress
	information may be available in-bar	
	ALERTING: PI#8	·
	CONNECT:	
	DISC#16	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERTING:	,
	CONNECT:	
	DISC#16	
Comments:		

110105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110105	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are supported from the	
	calling and called AGW/VGW	
	En-block	
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user	
ISDN Parameter values	SETUP:BC = speech, HLC = telephony	
calling user:	CALL PROCEEDING	
	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = speech, HLC = telepl	hony
called user:	ALERTING:	
Comments:		

4404054	IODNI (		
110105A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110105A		
Selection criteria:	Telephony 3,1 kHz teleservice; PS	TN XML and early media are not supported from the	
	called AGW/VGW		
	En-block		
Test purpose:	Support of telephony 3,1 kHz teleservice. The HLC information is not transported		
	transparently through the network		
ISDN Parameter values	SETUP: BC = speech, HLC = telephony		
calling user:	CALL PROCEEDING:		
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be		
	available in-band"); PI#8	. •	
	CONNECT:		
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; ("Call is not end-to-end ISDN: further call progress		
called user:	information may be available in-bai	nd");	
	HLC		
Comments:			

110105B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110105B	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the	
	calling AGW/VGW	
	En-block	
Test purpose:	Support of telephony 3,1 kHz teleservice. The HLC information is not transported	
	transparently through the network	
ISDN Parameter values	SETUP: BC = speech, HLC = telephony	
calling user:	CALL PROCEEDING PI#1 ("Call is not end-to-end ISDN: further call progress information	
	may be available in-band")	
	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
Comments:		

110106	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
	Q.301 [00], Glad303 0.1 dild 0.2	and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110106	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are supported from the	
	calling and called AGW/VGW	
	En-block	
Test purpose:	To verify that progress indicator information PI#2 included in the ISDN - ALERT message	
	can be transported correctly to the calling user	
Parameter values	SETUP: BC = speech HLC = telephony	
calling side:	CALL PROCEEDING:	
	ALERTING: PI#2"destination address is non-ISDN"	
Parameter values	SETUP: BC = speech HLC = telephony	
called side:	ALERTING: PI#2"destination address is non-ISDN"	
Comments:		

110106A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/S	Speech/110106A
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the called AGW/VGW En-block	
Test purpose:	To verify that progress indicator information PI#2 included in the ISDN - ALERT message	
	cannot be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = speech HLC = telephony	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:	
ISDN Parameter values	SETUP: BC= 3,1 kHz audio: PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	nd")
	ALERTING: PI#2"destination addre	ess is non-ISDN"
	CONNECT:	
Comments:		

110106B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110106B	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the	
	calling AGW/VGW	
	En-block	
Test purpose:	To verify that progress indicator information PI#2 included in the ISDN - ALERT message cannot be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = speech; HLC = telephony	
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band")	
	ALERTING: PI#8	
ISDN Parameter values	SETUP: BC= 3,1 kHz audio, PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERTING: PI#2 "destination addr	ess is non-ISDN"; PI#8
Comments:		

110107	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110107		
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are supported from the		
	calling and called AGW/VGW		
	En-block		
Test purpose:	To verify that progress indicator PI#2 included in the ISDN-CONNECT message can be		
	transported correctly to the calling user		
Parameter values	SETUP: BC = speech, HLC = telephony		
calling side:	CALL PROCEEDING:		
	ALERTING:		
	CONNECT: PI#2"destination address is non-ISDN"		
Parameter values	SETUP: BC = speech, HLC = telephony		
called side:	ALERTING:		
	CONNECT: PI#2"destination addre	ess is non-ISDN"	
Comments:			

110107A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/	
Selection criteria:		TN XML and early media are not supported from the
	called AGW/VGW	
	En-block	
Test purpose:	To verify that progress indicator information PI#2 included in the ISDN-CONNECT	
	message cannot be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = speech, HLC = telephony	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#1 (Call is not end-to-end ISDN: further call progress information may be	
	available in-band)"	
	CONNECT:	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	nd")
	ALERTING:	
	CONNECT: PI#2"destination addre	ess is non-ISDN"
Comments:		

110107B	ISDN reference to:	Other relevant references:	
1101076	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
	Q.951 [50], clauses 5.1 and 5.2	and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.1 and 6.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN ISDN/Basic call/Successful/		
	ISDN-ISDN/Basic_call/Successful/Speech/110107B		
Selection criteria:	, , , ,	TN XML and early media are not supported from the	
	calling AGW/VGW		
	En-block		
Test purpose:	To verify that the progress indicator information PI#2 included in the ISDN-CONNECT		
	message cannot be transported correctly to the calling user		
ISDN Parameter values	SETUP: BC = speech, HLC = telephony		
calling user:	CALL PROCEEDING: PI#1 (Call is not end-to-end ISDN: further call progress information		
	may be available in-band)"		
	ALERTING:		
	CONNECT:		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, PI#1("Call is not end-to-end ISDN: further call progress		
called user:	information may be available in-band")		
	CONNECT: PI#2"destination addre	ess is non-ISDN"	
Comments:			

110108	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110108		
Selection criteria:	ISDN = point-to-point Configuration: with DDI;		
	PSTN XML and early media are supported from the calling and called AGW/VGW Overlap sending mode, no Sending Complete from the calling user		
Test purpose:	Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message		
	is performed correctly (e.g. testing Qu	10) the voice transfer on the media and B-channels oS parameters)	
	Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on		
	the media channel is performed correctly		
	In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply</dynamic-pt>		
	The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)		
ISDN Parameter	BC = speech, no HLC		
values calling user:	CALL PROCEEDING:		
ISDN Parameter	BC = speech, no HLC		
values called user:	CALL PROCEEDING:		
Comments:			

110108A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35],	
		clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Spe		
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the called AGW/VGW Overlap sending mode, no Sending Complete from the calling user		
Test purpose:	Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>		
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")		
ISDN Parameter	BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information		
values called user:	may be available in-band)"		
Comments:			

TSS reference:  ISDN-ISDN/Basic_call/Successful/Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW Overlap sending mode, no Sending Complete from the calling user.  Test purpose:  Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters). Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  ISDN Parameter values calling user:  BC = speech, no HLC CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: PI#8  ISDN Parameter values called user:  CALL PROCEEDING:  CALL PROCEEDING:</dynamic-pt>	110108B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW Overlap sending mode, no Sending Complete from the calling user.  Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters). Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  BC = speech, no HLC CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: PI#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)" CALL PROCEEDING:</dynamic-pt>				
PSTN XML and early media are not supported from the calling AGW/VGW Overlap sending mode, no Sending Complete from the calling user.  Test purpose:  Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters). Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply. The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  ISDN Parameter values calling user:  BC = speech, no HLC CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: PI#8  ISDN Parameter values called user:  CALL PROCEEDING:</dynamic-pt>	TSS reference:	ISDN-ISDN/Basic_call/Successful/Spe	eech/110108B	
Overlap sending mode, no Sending Complete from the calling user.  Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  ISDN Parameter values calling user:  BC = speech, no HLC  CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")  ALERTING: PI#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:</dynamic-pt>	Selection criteria:			
Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  BC = speech, no HLC  CALL PROCEEDING: Pl#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")  ALERTING: Pl#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; Pl#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:</dynamic-pt>		PSTN XML and early media are not su	upported from the <b>calling</b> AGW/VGW	
User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).  BC = speech, no HLC  CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")  ALERTING: PI#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:</dynamic-pt>		Overlap sending mode, no Sending Complete from the calling user.		
values calling user:  CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")  ALERTING: PI#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:		Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>		
information may be available in-band")  ALERTING: PI#8  ISDN Parameter values called user:  BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:				
ISDN Parameter values called user:  BC = 3,1 kHz audio; Pl#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"  CALL PROCEEDING:	values calling user:	information may be available in-band")		
values called user: may be available in-band)"  CALL PROCEEDING:	ISDN Parameter			
		may be available in-band)"		
Comments:	Comments:			

Table 5: PIXIT Values for test purposes

VARIABLE	PT	Encoding	media type	clock rate	channels
VA_01	0	PCMU	Α	8,000	1
VA_02	3	GSM	Α	8,000	1
VA_03	4	G723	Α	8,000	1
VA_04	5	DVI4	Α	8,000	1
VA_05	7	LPC	Α	8,000	1
VA_06	8	PCMA	Α	8,000	1
VA_07	9	G722	Α	8,000	1
VA_08	12	QCELP	Α	8,000	1
VA_09	13	CN	Α	8,000	1
VA_10	18	G729	Α	8,000	1
VA_11	Dyn	G726-40	Α	8,000	1
VA_12	Dyn	G726-32	Α	8,000	1
VA_13	Dyn	G726-24	Α	8,000	1
VA_14	Dyn	G726-16	Α	8,000	1
VA_15	Dyn	G729D	Α	8,000	1
VA_16	Dyn	G729E	Α	8,000	1
VA_17	Dyn	GSM-EFR	А	8,000	1

110109	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Sp	eech/110109	
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are supported from the calling and called AGW/VGW  En-bloc sending		
Test purpose:	Ensure that the calling ISDN user receives a PROGRESS with PI#2 message in state N9 message when the ISDN User in call state U03 is sending a Call Proceeding message with PI#2  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters)  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)</dynamic-pt>		
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: PROGRESS PI#2 ALERTING:		
ISDN Parameter values called user:	BC = speech, no HLC CALL PROCEEDING: PI#2 ALERTING:		
Comments:			

110109A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Spe	eech/110109A	
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the <b>called</b> AGW/VGW En-block sending		
Test purpose:	Ensure that the calling ISDN user does not receive a PROGRESS with PI#2 message in state N9 message when the ISDN User in call state U03 is sending a Call Proceeding message with PI#2  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters)  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)</dynamic-pt>		
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: ALERTING: PI#8; PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")		
ISDN Parameter values called user:	BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)" CALL PROCEEDING: PI#2 ALERTING:		
Comments:			

110109B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Spe		
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW En-block sending		
Test purpose:	Ensure that the calling ISDN user does not receive a PROGRESS message in state N9 message when the ISDN User in call state U03 is sending a Call Proceeding message with PI#2.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>		
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)" ALERTING: PI#8		
ISDN Parameter values called user:	BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)" CALL PROCEEDING: PI#2 ALERTING:		
Comments:			

110110	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful		
Selection criteria:	ISDN = point-to-point Configuration: with DDI PSTN XML and early media are supported from the calling and called AGW/VGW En-block sending		
Test purpose:	Ensure that the calling ISDN user receives an ALERTING message if the called ISDN User in call state U07 is sending an ALERTING message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>		
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: ALERTING: PI#8		
ISDN Parameter values called user:	BC = speech, no HLC CALL PROCEEDING: ALERTING:		
Comments:			

C F	ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
	SDN-ISDN/Basic_call/Successful/		
	SDN = point-to-point Configuration		
		ot supported from and called AGW/VGW	
	En-block sending		
		receives an ALERTING message if the called ISDN	
	Jser in call state U07 is sending a		
		(N10) the voice transfer on the media and	
	B-channels is performed correctly		
E	Ensure that in the Call Delivered call state U4 the transfer of tone or announcement		
	on the media channel is performed correctly.		
Ir	In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>		
ta	able 5 apply.		
Т	The called party IE shall be correc	tly delivered to the called user (e.g. DDI, MSN).	
ISDN Parameter values   E	BC = speech, no HLC		
calling user:	CALL PROCEEDING:		
-   A	ALERTING: PI#1 "Call is not end-t	o-end ISDN: further call progress information may	
b	oe available in-band"); PI#8		
ISDN Parameter values E	BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress		
	nformation may be available in-ba		
	CALL PROCEEDING:		
	ALERTING:		
Comments:			

110110B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	ISDN = point-to-point Configuration: with DDI PSTN XML and early media are not supported from the calling AGW/VGW En-block sending	
Test purpose:	Ensure that the calling ISDN user receives an ALERTING message if the called ISDN User in call state U07 is sending an ALERTING message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters)  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)</dynamic-pt>	
ISDN Parameter values calling user:	BC = speech, no HLC CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: PI#8	
ISDN Parameter values called user:	BC = 3,1 kHz audio; Pl#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") CALL PROCEEDING: ALERTING:	
Comments:		

110111	ISDN reference to:	Other relevant references:	
110111			
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110111		
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
	ISDN = point-to-point Configuration: with DDI		
	En-block sending		
Test purpose:	To verify that progress indicator information included in the ISDN - ALERTING		
	message with PI#2 can be transported correctly to the calling user		
ISDN Parameter	SETUP: BC = speech		
values calling user:	HLC = telephony		
	CALL PROCEEDING:		
	ALERTING: progress indicator #2 "destination address is non-ISDN"		
ISDN Parameter	SETUP: BC = speech, HLC = telephony		
values called user:	CALL PROCEEDING:		
	ALERTING: progress indicator #2	"destination address is non-ISDN"	
Comments:			

110112	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110112	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress indicator information included in the ISDN CALL PROCEEDING	
	message can be transported corre	ctly to the calling user.
ISDN Parameter	SETUP: BC = speech HLC = telephony	
values calling user:	CALL PROCEEDING:	
	PROGRESS: progress indicator #2	2 "destination address is non-ISDN
	ALERTING: PI#8	
	CONNECT:	
ISDN Parameter	SETUP: BC = speech, HLC = telephony	
values called user:	CALL PROCEEDING: progress indicator #2 "destination address is non-ISDN	
	ALERTING:	
	CONNECT:	
Comments:		

110113	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110113	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress indicator information included in the ISDN - ALERTING and	
	CONNECT message can be transported correctly to the calling user.	
ISDN Parameter	SETUP: BC = speech HLC = telephony	
values calling user:	CALL PROCEEDING:	
		t end-to-end ISDN: further call progress information
	may be available in-band")	
	CONNECT: progress indicator #2	
ISDN Parameter	SETUP: BC = speech, HLC = telephony	
values called user:	CALL PROCEEDING:	
		o-end ISDN: further call progress information may be
	available in-band")	
	CONNECT: progress indicator #2	"destination address is non-ISDN"
Comments:		

	I	T
110114	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110114
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress indicator information included in the ISDN - PROGRESS and	
	CONNECT message can be transported correctly to the calling user.	
ISDN Parameter	SETUP: BC = speech HLC = telephony	
values calling user:	CALL PROCEEDING:	
_	PROGRESS: progress indicator #2 "destination address is non-ISDN".	
	ALERTING	
	CONNECT: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter	SETUP: BC = speech, HLC = telephony	
values called user:	ICALL PROCEEDING:	
values called door.	PROGRESS: progress indicator #2 "destination address is non-ISDN".	
	ALERTING:	2 233
	_	to-end ISDN: further call progress information may be
	available in-band")	to the regress morning be
Comments:	,	

110115	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110115		
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:		To verify that progress indicator information included in the ISDN - PROGRESS and	
	ALERTING message can be transported correctly to the calling user.		
ISDN Parameter	SETUP: BC = speech HLC = telephony		
values calling user:	CALL PROCEEDING:		
	PROGRESS: progress indicator #2 "destination address is non-ISDN".		
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be		
	available in-band")		
	CONNECT:		
ISDN Parameter	SETUP: BC = speech, HLC = telephony		
values called user:	CALL PROCEEDING:		
	PROGRESS: progress indicator #2 "destination address is non-ISDN".		
		to-end ISDN: further call progress information may be	
	available in-band")		
	CONNECT:		
Comments:			

## 6.2.1.2 Successful - UDI

110201	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TSS reference:	ISDN-ISDN/Basic call/Successfu	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
Selection criteria:		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
Parameter values:	SETUP: BC = UDI, no HLC	
Comments:		

		<del>-</del>
110202	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38] clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110202	
Selection criteria:		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
Parameter values:	SETUP: BC = UDI, no HLC	
Comments:		

110203	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successfu	الـ/UDI/110203
Selection criteria:		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears after answer	
Parameter values:	SETUP: BC = UDI, no HLC	
Comments:		

110204	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110204	
Selection criteria:		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
Parameter values:	SETUP: BC = UDI, no HLC	
Comments:		

110205	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	Telefax G4 teleservice	
Test purpose:	Support of Telefax G4 teleservice (no LLC): Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = facsimile group 4, no LLC	
Comments:		

110206	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110206	
Selection criteria:	Telefax G4 teleservice	
Test purpose:	Support of telefax G4 teleservice: Ensure that the LLC and HLC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = facsimile group 4, LLC = telematic_term	
Comments:		

110207	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
	Q.501 [60], states of the distribution	and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110207		
Selection criteria:	Teletex terminal (basic and mixed mode)		
Test purpose:	Support of teletex basic and mixed mode terminals: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user		
Parameter values:	SETUP: BC = UDI, HLC = teletex	SETUP: BC = UDI, HLC = teletex mixed mode, LLC = telematic_term	
Comments:			

110208	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110208	
Selection criteria:	Teletex terminal (basic and proce	Teletex terminal (basic and processable mode)	
Test purpose:	Support of teletex basic and proc	Support of teletex basic and processable mode terminals: Ensure that the LLC and HLC	
	information is transported transpa	arently through the network and correctly delivered to the	
	called user		
Parameter values:	SETUP: BC = UDI, HLC = teletex	SETUP: BC = UDI, HLC = teletex processable, LLC = telematic_term	
Comments:			

110209	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI/110209
Selection criteria:	Teletex terminal (basic mode)	
Test purpose:	Support of teletex basic mode terminals: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = teletex basic, LLC = telematic_term	
Comments:		

110210	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TSS reference:	ISDN-ISDN/Basic call/Successful	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
Selection criteria:	International videotex interworking	
Test purpose:	Support of international videotex interworking: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = videotex interworking, LLC = telematic_term	
Comments:		

TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110211
Selection criteria:	Telex service
Test purpose:	Support of telex service: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user
Parameter values:	SETUP: BC = UDI, HLC = telex, no LLC
Comments:	

110212	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110212	
Selection criteria:	Message Handling Systems	Message Handling Systems	
Test purpose:	Support of Message Handling Sy	Support of Message Handling Systems: Ensure that the HLC information is transported	
	transparently through the network	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = message handling system, no LLC		

110213	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110213		
Selection criteria:	OSI applications		
Test purpose:	Support of OSI application: Ensure that the HLC information is transported transparently		
	through the network and correctly delivered to the called user		
Parameter values:	SETUP: BC = UDI, HLC = OSI ap	SETUP: BC = UDI, HLC = OSI application, no LLC	

110214	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110214	
Selection criteria:	Videotelephony teleservice	
Test purpose:	Support of videotelephony teleservice: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user (note).	
Parameter values:	SETUP: BC = UDI, HLC = videotelephony_ic	
Comments:		

110215	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.1 and 6.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110215	
Selection criteria:	Recommendation ITU-T V.110 [3	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/		
	Recommendation ITU-T X.30 [34	Recommendation ITU-T X.30 [34]: Ensure that the BC information is transported	
	transparently through the networ	transparently through the network and correctly delivered to the called user.	
Parameter values:	SETUP: BC = = UDI; Recommer	SETUP: BC = = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate	2,4 kbit/s, no LLC	
Comments:			

110216	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110216	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/	
	Recommendation ITU-T X.30 [34]: Ensure that the BC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	synchronous user rate 9,6 kbit/s, i	no LLC
Comments:		

110217	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110217	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/	
	Recommendation ITU-T X.30 [34]: Ensure that the BC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	synchronous user rate 19,2 kbit/s,	no LLC
Comments:		

110218	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110218		
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported transparently through the network and correctly delivered to the called user.		
Parameter values:		SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 2	2,4 kbit/s	
Comments:			

110219	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successfu	/UDI/110219
Selection criteria:	Recommendation ITU-T V.110 [33	B]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/ Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] synchronous user rate 9,6 kbit/s	
Comments:		

110220	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110220	
Selection criteria:	Recommendation ITU-T V.110 [33	]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/	
	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 19	9,2 kbit/s
Comments:		

110221	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110221	
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/		
		Recommendation ITU-T X.30 [34]: Ensure that BC and LLC information is transported	
	transparently through the network and correctly delivered to the called user		
Parameter values:	SETUP: BC = LLC =Recommend	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 2	2,4 kbit/s	
Comments:			

110222	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110222	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 9,6 kbit/s	
Comments:		

110223	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110223
Selection criteria:	Recommendation ITU-T V.110 [33	]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:		mmendation ITU-T V.110 [33]/Recommendation ITU-T
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 19	9,2 kbit/s
Comments:		

110001	lopu (		
110224	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	I/UDI/110224	
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/		
	Recommendation ITU-T X.30 [34	Recommendation ITU-T X.30 [34]: Ensure that the BC information is transported	
	transparently through the network	and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI; Recommenda	SETUP: BC = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	asynchronous user rate 2,4 kbit/s	, no LLC	
Comments:			

110225	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110225	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that the BC information is transported transparently through the network	
	and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	asynchronous user rate 9,6 kbit/s, no LLC	
Comments:	-	

110226	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38] clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110226
Selection criteria:	Recommendation ITU-T V.110 [33	]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33]/Recommendation ITU-T
	X.30 [34]: Ensure that the BC information is transported transparently through the network	
	and correctly delivered to the called user	
Parameter values:	,	ion ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]
	asynchronous user rate 19,2 kbit/s	, no LLC
Comments:		

110227	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	Recommendation ITU-T	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	Q.931 [38], clauses 5.1 and 5.2	3.1.1
		Recommendation ITU-T Q.699 [24], clauses 2.1.1
		and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI/110227
Selection criteria:	Recommendation ITU-T V.110 [33	3]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/	
		: Ensure that the LLC information is transported
	transparently through the network	and correctly delivered to the called user
Parameter values:	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate	2,4 kbit/s
Comments:		

110228	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	Recommendation ITU-T	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	Q.931 [38], clauses 5.1 and 5.2	3.1.1
		Recommendation ITU-T Q.699 [24], clauses 2.1.1
		and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110228
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/	
	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
	transparently through the network	and correctly delivered to the called user
Parameter values:	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate 9,6 kbit/s	
Comments:		

110229	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T	Other relevant references: ETSI ETS 300 103 [i.1], annex I ETSI EG 201 018 [i.15], clause 7.1.1 ETSI EN 300 899-1 [37], clauses 2.1.1 and	
	Q.931 [38], clauses 5.1 and 5.2	3.1.1	
		Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful	ISDN-ISDN/Basic_call/Successful/UDI/110229	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption		
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/		
	Recommendation ITU-T X.30 [34]	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
		and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, LLC = Recom	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate	19,2 kbit/s	
Comments:			

110230	ISDN reference to:	Other relevant references:
110230		
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110230	
Selection criteria:	Recommendation ITU-T V.110 [33	B]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate 2,4 kbit/s	
Comments:		

110231	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110231	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate 9,6 kbit/s	
Comments:		

110232	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110232	
Selection criteria:	Recommendation ITU-T V.110 [33	]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] asynchronous user rate	19,2 kbit/s
Comments:		

110233	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110233		
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption		
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T		
		ormation is transported transparently through the network	
	and correctly delivered to the called user		
Parameter values:		SETUP: BC = UDI; Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	synchronous user rate 56 kbit/s, no LLC		
Comments:			

110234	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.3
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110234	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] synchronous user rate 56 kbit/s	
Comments:		

110235	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110235	
Selection criteria:	Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34]: Ensure that BC and LLC information is transported transparently through the	
	network and correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC =Recommendation ITU-T V.110 [33]/Recommendation ITU-T	
	X.30 [34] synchronous user rate 56	6 kbit/s
Comments:		

110236	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 7.1.3 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successfu	I/UDI/110236
Selection criteria:	Syntax-based videotex teleservice	
Test purpose:	Support of syntax-based videotex teleservice using end-to-end circuit connection: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = syntax-based videotex, LLC = telematic_term	
Comments:		

110237	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.7
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110237	
Selection criteria:	FTAM teleservice	
Test purpose:	Support of file transfer & access management (FTAM) teleservice: Ensure that the LLC	
	and HLC information is transported transparently through the network and correctly	
	delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = FTAM, LLC = telematic_term	
Comments:		

110238	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.8 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	Eurofile transfer teleservice	
Test purpose:	Support of Euro file transfer teleservice: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP: BC = UDI, HLC = Eurofile, LLC = telematic_term	
Comments:		

## 6.2.1.3 Successful - Audio

110301	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301	
Selection criteria:	PSTN XML and early media are supported from calling and called AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#8	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
called user:	ALERTING:	
Comments:		

110301A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301A		
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW		
	En-block sending		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly		
ISDN Parameter values	SETUP BC = 3,1 kHz audio, no HLC		
calling user:	CALL PROCEEDING		
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be		
	available in-band"); PI#8		
	CONNECT:		
	SETUP:BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		
called user:		information may be available in-band")	
	ALERTING:		
Comments:			

110301B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301B	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band");	
	ALERTING: PI#8	
	CONNECT	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	CALL PROCEEDING:	
	ALERTING:	
	CONNECT:	
Comments:		

110000	lionu (	Tou to a
110302	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
called user:	CALL PROCEEDING:	
	ALERTING: PI#8	
Comments:		

110302A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, no HLC CALL PROCEEDING: ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band"); PI#8	
ISDN Parameter values called user:	SETUP:BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") CALL PROCEEDING: ALERTING:	
Comments:		

110302B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302B		
Selection criteria:	PSTN XML and early media are no	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly		
ISDN Parameter values	BC = 3,1 kHz audio, no HLC		
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress		
	information may be available in-band") ALERTING: PI#8		
ISDN Parameter values			
called user:	SETUP BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress		
called user.	information may be available in-band")		
	CALL PROCEEDING:		
	ALERTING:		
Comments:			

110303	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110303	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
calling user:	ALERTING: PI#8	
	CONNECT:	
	DISC: PI#16	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
called user:	ALERTING: PI#8	
	CONNECT:	
	DISC: PI#16	
Comments:		

110304	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110304
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
calling user:	ALERTING: PI#8	
	CONNECT:	
	DISC: PI#16	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
called user:	ALERTING:	
	CONNECT:	
	DISC: PI#16	
Comments:		

110305	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110305		
Selection criteria:	Telefax G2/G3 terminals, PSTN XML and early media are supported from the calling and called AGW/VGW En-block sending		
Test purpose:	Support of Telefax G2/G3: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user.		
Parameter values:	SETUP: BC = 3,1 kHz audio, HLC = facsimile group 2/3		
Comments:			

110305A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110305A	
Selection criteria:	Telefax G2/G3 terminals, PSTN XI	ML and early media are not supported from the
	called AGW/VGW	
	En-block sending	
Test purpose:	Support of Telefax G2/G3: The HLC information is not transported transparently	
	through the network and correctly delivered to the called user.	
ISDN Parameter	SETUP BC = 3,1 kHz audio, HLC = facsimile group 2/3	
values calling user:	CALL PROCEEDING:	
	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may	
	be available in-band")	
	CONNECT:	
ISDN Parameter	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
values called user:	information may be available in-band")	
Comments:		

110305B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110305B
Selection criteria:	Telefax G2/G3 terminals, PSTN XI	ML and early media are <b>not</b> supported from the <b>calling</b>
	AGW/VGW	
	En-block sending	
Test purpose:	Support of Telefax G2/G3: The HLC information is not transported transparently through	
	the network and correctly delivered to the called user	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, HLC = facsimile group 2/3	
calling user:	CALL PROCEEDING: PI#1 ("Call is	s not end-to-end ISDN: further call progress
	information may be available in-bar	nd")
	ALERTING:	
	CONNECT:	
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	CALL PROCEÉDING:	, i
	ALERTING:	
	CONNECT:	
Comments:		

110306	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110306	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress information in the SETUP can be transported correctly to the	
	called user	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN"	
calling user:		
ISDN Parameter values	SETUP BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN"	
called user:		
Comments:		

110307	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110307	
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW
Test purpose:	To verify that progress information PI#2"destination address is non-ISDN" in the ALERT	
	IE can be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio	
calling user:	ALERTING: PI#8; PI#2"destination address is non-ISDN"	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio	
called user:	ALERTING: PI#2"destination address is non-ISDN"	
Comments:		

110308	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1 and 5.2	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1 and 5.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110308
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress information in the CONNECT: IE can be transported correctly to	
	the calling user	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio	
calling user:	CONNECT: PI#2"destination address is non-ISDN"	
ISDN Parameter values	BC = 3,1 kHz audio	
called user:	CONNECT: PI#2"destination addre	ss is non-ISDN"
Comments:		

110309	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110309	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110310	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/Audio/110310	
Selection criteria:	Bearer service 3,1 kHz audio		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly		
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user		
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kH mode, user rate 9,6 kbit/s	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:			

110311	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110311	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly	
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,	
	synchronous mode, user rate 56 kbit/s is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
	mode, user rate 56 kbit/s	
Comments:		

110312	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110312	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
	data via modem, synchronous mode, user rate 2,4 kbit/s and the LLC = 3,1 kHz audio,	
	voice band data via modem, synchronous mode, user rate 2,4 kbit/s are correctly	
	delivered to the called user	
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode,	
	user rate 2,4 kbit/s	
Comments:		

440040	ICDN reference to:	Oth or relevent references
110313	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110313	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
Comments:		

110314	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110314	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band data via modem, synchronous mode, user rate 56 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 56 kbit/s is correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 56 kbit/s	
Comments:		

110315	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110315	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:		

110316	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/Audio/110316	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band		
	data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the called user		
Parameter values:	BC = 3,1 kHz audio, voice band of	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate	
	4,8 kbit/s, no LLC		
Comments:			

110317	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110317	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 19,2 kbit/s is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 19,2 kbit/s, no LLC	
Comments:		

110318	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110318	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s are correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110319	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TSS reference:	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ISDN-ISDN/Basic_call/Successful/Audio/110319	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s information is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

110320	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110320	
Selection criteria:	Bearer service 3,1 kHz audio	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly	
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,	
	asynchronous mode, user rate 19,2 kbit/s is correctly delivered to the called user	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous	
	mode, user rate 19,2 kbit/s	
Comments:		

110321	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110321	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s audio and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s are correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s	
Comments:		

110322	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110322	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s are correctly delivered to the called user	
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4.8 kbit/s	
Comments:		

110222	ICDN reference to:	Other relevant references	
110323	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110323		
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW		
<del>-</del> .			
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band		
	data via modem, asynchronous mode, user rate 19,2 kbit/s and the LLC = 3,1 kHz audio,		
	voice band data via modem, asynchronous mode, user rate 19,2 kbit/s are correctly		
	delivered to the called user		
Parameter values:	SETUP: BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode,		
	user rate 19,2 kbit/s		
Comments:			

110324	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35],	
		clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110324	
Selection criteria:	ISDN = point-to-point Configuration	n: with DDI	
	PSTN XML and early media are su	pported from the calling and called AGW/VGW	
	Overlap sending mode		
Test purpose:	Ensure that the calling ISDN user receives a Call Proceeding message if the called		
	ISDN User in call state U03 is sending a Call Proceeding message		
	Ensure that in the active call state (N10) the voice transfer on the media and		
	B-channels is performed correctly	(e.g. testing QoS parameters)	
	Ensure that in the Call Delivered ca	all state U4 the transfer of tone or announcement	
	on the media channel is performed correctly		
	In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>		
	table 5 apply		
	The called party IE shall be correct	tly delivered to the called user (e.g. DDI, MSN)	
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values calling user:	CALL PROCEEDING:		
ISDN Parameter	BC = 3,1 kHz audio, no HLC	BC = 3,1 kHz audio, no HLC	
values called user:	CALL PROCEEDING:		

110324A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/A	udio/110324A
Selection criteria:	ISDN = point-to-point Configuration: PSTN XML and early media are not Overlap sending mode	with DDI supported from the <b>called</b> AGW/VGW
Test purpose:	Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>	
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC CALL PROCEEDING: ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter values called user:	BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") CALL PROCEEDING:	
Comments:		

110324B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/A	
Selection criteria:	ISDN = point-to-point Configuration: with DDI PSTN XML and early media are not supported from the calling AGW/VGW Overlap sending mode	
Test purpose:	Ensure that the calling ISDN user receives a Call Proceeding message if the called ISDN User in call state U03 is sending a Call Proceeding message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.  The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN).</dynamic-pt>	
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, no HLC CALL PROCEEDING: Pl#1("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: Pl#8	
ISDN Parameter values called user:	SETUP BC = 3,1 kHz audio; Pl#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") CALL PROCEEDING: ALERTING:	
Comments:		

110325	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35],
		clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Au	
Selection criteria:	ISDN = point-to-point Configuration: with DDI PSTN XML and early media are supported from the calling and called AGW/VGW En-bloc sending	
Test purpose:	Ensure that the calling ISDN user receives a PROGRESS message with PI#2 in state N9 message when the ISDN User in call state U03 is sending a Call Proceeding message with PI#2  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters)  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply The called party IE shall be correctly delivered to the called user (e.g. DDI, MSN)</dynamic-pt>	
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC CALL PROCEEDING: PROGRESS PI#2	
	ALERTING: PI#8	
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values called user:	CALL PROCEEDING: PI#2 ALERTING:	
Comments:		

110326	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110326	
Selection criteria:	ISDN = point-to-point Configuration	n: with DDI	
	PSTN XML and early media are su	pported from the calling and called AGW/VGW	
	En-block sending		
Test purpose:	Ensure that the calling ISDN user receives an ALERTING message if the called ISDN		
	User in call state U07 is sending an ALERTING message. Ensure that in the active call		
	state (N10) the voice transfer on the media and B-channels is performed correctly (e.g.		
	testing QoS parameters).		
		all state U4 the transfer of tone or announcement on	
	the media channel is performed co		
		SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>	
	table 5 apply.		
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values calling user:	CALL PROCEEDING:		
	ALERTING: PI#8		
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values called user:	ALERTING:		
Comments:			

110326A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Aud	
Selection criteria:	ISDN = point-to-point Configuration: with DDI PSTN XML and early media are not supported from called AGW/VGW En-block	
Test purpose:	Ensure that the calling ISDN user receives an ALERTING message if the called ISDN User in call state U07 is sending an ALERTING message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.</dynamic-pt>	
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC CALL PROCEEDING: ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter values called user:	BC = 3,1 kHz audio; Pl#1 ("Call is not end-to-end ISDN: further call progress information	
Comments:	may be available in-band")	

110326B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and
		7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	ISDN = point-to-point Configuration: with	
	PSTN XML and early media are not supported from the calling AGW/VGW En-block	
Test purpose:	Ensure that the calling ISDN user receives an ALERTING message if the called ISDN User in call state U07 is sending an ALERTING message.  Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.</dynamic-pt>	
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") ALERTING: PI#8	
ISDN Parameter	BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress information	
values called user:	may be available in-band") CALL PROCEEDING: ALERTING:	
Comments:		

110327	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/audio/110327	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
	ISDN = point-to-point Configuration: with DDI; Enblock sending		
Test purpose:	To verify that progress indicator information included in the ISDN - CALL PROCEEDING		
	message with PI#2 can be transported correctly to the calling user		
ISDN Parameter	SETUP: BC = 3,1 kHz audio HLC = telephony		
values calling user:	CALL PROCEEDING:		
	PROGRESS: progress indicator #2 "destination address is non-ISDN"		
ISDN Parameter	SETUP: BC = 3,1 kHz audio, HL0	SETUP: BC = 3,1 kHz audio, HLC = telephony,	
values called user:	CALL PROCEEDING: progress in	CALL PROCEEDING: progress indicator #2 "destination address is non-ISDN"	
	PROGRESS:		
Comments:			

110328	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TSS reference:	ISDN-ISDN/Basic call/Successful/Au	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
Selection criteria:	ISDN-ISDN/Basic_call/Successful/Audio/110328  FAX G3; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters for T.38 between INVITE message and the SETUP message is performed correctly. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).	
ISDN Parameter	SETUP:BC = 3,1 kHz audio	
values calling user:	HLC = "Facsimile Group 2/3"	
ISDN Parameter	SETUP:BC= 3,1 kHz audio	
values called user:	HLC = "Facsimile Group 2/3"	
SIP Parameter values:	Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and prece a = line Based on T.38. b = line AS: 64 m = line: VA_Transport; T38 (see ta	ondition
Comments:		

110328A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/		
Selection criteria:		dia are not supported from the called AGW/VGW	
Test purpose:		the mapping of the defined SDP parameters for T.38 SETUP message is performed correctly. Ensure that	
	in the active call state (N10) the vo	ice transfer on the media and B-channels is	
	performed correctly (e.g. testing QoS parameters).		
ISDN Parameter	SETUP:BC = 3,1 kHz audio		
values calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be		
	available in-band")		
	HLC = "Facsimile Group 2/3"		
ISDN Parameter	SETUP:BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		
values called user:	information may be available in-band")		
SIP Parameter values:	Dial string parameters options=PIXIT		
	PIXIT for supported header:		
	Case a) no 100 rel		
	Case b) Supported: 100 rel		
	Case c) Supported: 100 rel and pre	econdition	
	a = line Based on T.38.		
	b = line AS: 64		
	m = line: VA_Transport; T38 (see	table 6)	
Comments:			

110328B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110328B	
Selection criteria:	FAX G3; PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters for T.38 between INVITE message and the SETUP message is performed correctly. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).	
ISDN Parameter	SETUP:BC = 3,1 kHz audio	,
values calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band")	
	HLC = "Facsimile Group 2/3"	
ISDN Parameter	SETUP:BC= 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
values called user:	information may be available in-band")	
Comments:		

## Table 6

Parameter transport protocol VA_Transport		
VA_Transport_1	udptl	
VA_Transport_2	tcptl	

110329	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1 and	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	5.2	3.1.1
	Recommendation ITU-T Q.931 [38],	Recommendation ITU-T Q.699 [24],
	clauses 5.1 and 5.2	clauses 2.1.1 and 3.1.1
		Recommendation ITU-T Q.1912.5 [35],
		clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and
		5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	1 -
Selection criteria:		ia are supported from the calling and called
	AGW/VGW	
Test purpose:		apping of the defined SDP parameters INVITE
		rformed correctly. Ensure that in the active call
	` '	ia and B-channels is performed correctly (e.g.
ICDNI Davarantar valuas	testing QoS parameters).	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
calling user:	HLC = "Facsimile Group 2/3"	
ISDN Parameter values	SETUP:BC= 3,1 kHz audio	
called user:		
Comments:		

110329A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	clause 4.5.18	3.1.1
		Recommendation ITU-T Q.699 [24],
		clauses 2.1.1 and 3.1.1
		Recommendation ITU-T Q.1912.5 [35],
		clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and
		7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and
		5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	FAX G3-T.30; PSTN XML and early media are not supported from the called	
	AGW/VGW	
	En-block	
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters	
		ge is performed correctly. Ensure that in the
	active call state (N10) the voice transfer on the media and B-channels is performed	
	correctly (e.g. testing QoS parameters).	
ISDN Parameter values	SETUP = 3,1 kHz audio;	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#1 ("Call is not end-to-end	I ISDN: further call progress information may
	be available in-band") PI#8	
ISDN Parameter values	SETUP = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
Comments:		

110329B	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/110329B
Selection criteria:	FAX G3-T.30; PSTN XML and earl	y media are not supported from the calling
	AGW/VGW	
	En-block	
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters INVITE	
	message and the SETUP message is performed correctly. Ensure that in the active call	
	state (N10) the voice transfer on the media and B-channels is performed correctly (e.g.	
	testing QoS parameters).	
ISDN Parameter	SETUP = 3,1 kHz audio;	
values calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band")	
	ALERTING: PI#8	
ISDN Parameter	SETUP = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress	
values called user:	information may be available in-band")	
	ALERTING:	
Comments:		

110330	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/audio/110330	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
	ISDN = point-to-point Configuration	n: with DDI; Enblock
Test purpose:	To verify that progress indicator information included in the ISDN - ALERTING message	
	with PI#2 can be transported correctly to the calling user	
ISDN Parameter	SETUP: BC = 3,1 kHz audio HLC = telephony	
values calling user:	CALL PROCEEDING:	
	ALERTING: PI#8; progress indicator #2 "destination address is non-ISDN"	
ISDN Parameter	SETUP: BC = 3,1 kHz audio, HLC = telephony,	
values called user:	CALL PROCEEDING:	
	ALERTING: progress indicator #2	"destination address is non-ISDN"

## 6.2.1.4 Successful - UDI/TA

110401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successfu	ISDN-ISDN/Basic_call/Successful/UDI-TA/110401	
Selection criteria:			
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly		
Parameter values:	SETUP: BC = UDI/TA, no HLC		
Comments:			

110100	LODAL (	Tout 1 / f
110402	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110402	
Selection criteria:		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
Parameter values:	SETUP: BC = UDI/TA, no HLC	
Comments:		

110403	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successfu	I/UDI-TA/110403
Selection criteria:		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears after answer	
Parameter values:	SETUP: BC = UDI/TA, no HLC	
Comments:		

440404	IODNI (	Oth an and a count and an area
110404	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110404	
Selection criteria:		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
Parameter values:	SETUP: BC = UDI/TA, no HLC	
Comments:		

110405	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.4	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110405		
Selection criteria:	Telephony UDI-TA teleservice		
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that the HLC information is transported		
	transparently through the network and correctly delivered to the called user.		
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony		
Comments:	telephony 7 kHz fallback not allow	telephony 7 kHz fallback not allowed SETUP message: A SETUP message containing a	
	single SETUP: BC = UDI/TA and	a single HLC = telephony	

110406	ISDN reference to: ETSI EN 300 403-1 [1].	Other relevant references:
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110406	
Selection criteria:	Videotelephony teleservice	
Test purpose:	Support of videotelephony teleservice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	SETUP: BC = UDI/TA, HLC = videotelephony_ic	
Comments:	videotelephony fallback not allowed SETUP message: A SETUP message containing a	
	single SETUP: BC = UDI/TA and a single HLC = videotelephony_ic	

440407	LODN (	0.1 1 1 1
110407	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110407	
Selection criteria:	- Telephony UDI-TA teleservice.	
	- Fallback allowed.	
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that a telephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt of a CONNECT message, not containing a BC assumes that the fallback to the telephony 3,1 kHz teleservice has occurred.	
Parameter values:	eter values: ! SETUP ? CONNECT:	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing	
	two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a	
	HLC = telephony.	

110408	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful	ISDN-ISDN/Basic_call/Successful/UDI-TA/110408	
Selection criteria:	- Telephony UDI-TA teleservice.		
	- Fallback allowed		
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that a telephony 7 kHz fallback allowed		
	SETUP message is transported transparently through the network and on receipt of a		
	CONNECT message, containing a BC = speech assumes that the fallback to the		
	telephony 3,1 kHz teleservice has occurred.		
Parameter values:	! SETUP ? CONNECT:		
	BC1 = speech BC = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:		d SETUP message: A SETUP message containing	
	two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a		
	HLC = telephony		

110409	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	/UDI-TA/110409
Selection criteria:	- Telephony UDI-TA teleservice.	
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that a telephony 7 kHz fallback allowed	
		ansparently through the network and on receipt of a
		SETUP: BC = UDI/TA assumes that the fallback has
	not occurred.	
Parameter values:	! SETUP ? CONNECT	:
	BC1 = speech UDI with TA	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		d SETUP message: A SETUP message containing
		ech and the second SETUP: BC = UDI/TA, a
	HLC = telephony	

110410	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSLTS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TCC reference:	ICDN ICDN/Dasia asil/Commontol	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	- Telephony UDI-TA telesery	rice.
	- Fallback allowed.	
	- T reference point at the destination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:	
	Ensure that a telephony 7 kHz fallback allowed SETUP message is transported	
	transparently through the network and on receipt of a CALL PROCEEDING message	
	containing a PI = #5 and a BC = speech assumes that the fallback to the telephony	
	3,1 kHz teleservice has occurred.	
Parameter values:	! SETUP ? CALL PROCEEDING:	
	BC1 = speech BC = speech	
	BC2 = UDI with TA $PI = #5$	
	HLC = telephony	
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing	
	two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a	
	HLC = telephony	

110411	ISDN reference to:	Other relevant references:
110411	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	
		Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	a
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:		
Selection criteria.	<ul> <li>Telephony UDI-TA teleserv</li> <li>Fallback allowed.</li> </ul>	ice.
	. andaon anonoan	stination into days
	- T reference point at the destination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:	
		pack allowed SETUP message is transported
		and on receipt of a CALL PROCEEDING message
		ge containing a PI = #5 and a BC = speech assumes
	that the fallback to the telephony 3,1 kHz teleservice has occurred.	
Parameter values:	! SETUP ? PROGRES	S
	BC1 = speech BC = speech	
	BC2 = UDI with TA PI = #5	
	HLC = telephony	
Comments:	telephony 7 kHz fallback allowed	d SETUP message: A SETUP message containing
	two BCs, with the first BC = spe	ech and the second SETUP: BC = UDI/TA, a
	HLC = telephony	,

110412	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	<ul> <li>Telephony UDI-TA teleserv</li> </ul>	ice.
	<ul> <li>Fallback allowed.</li> </ul>	
	- T reference point at the destination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:	
	Ensure that a telephony 7 kHz fallback allowed SETUP message is transported	
	transparently through the network and on receipt of an ALERTING message containing a	
	PI = #5 and a BC = speech assumes that the fallback to the telephony 3,1 kHz teleservice	
	has occurred.	
Parameter values:	! SETUP ? ALERT	
	BC1 = speech BC = speech	
	BC2 = UDI with TA $PI = #5$	
	HLC = telephony	
Comments:		d SETUP message: A SETUP message containing
	two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a	
	HLC = telephony	

110413	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI-TA/110413
Selection criteria:	<ul><li>Videotelephony teleservice</li><li>Fallback allowed.</li></ul>	).
Test purpose:	Support of videotelephony teleservice: Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt of a CONNECT message, containing a SETUP: BC = UDI/TA and a HLC = videotelephony_ic assumes that fallback has not occurred.	
Parameter values:	! SETUP ? CONNECT: BC1 = speech SETUP: BC = UDI with TA BC2 = UDI with TA HLC = videotelephony_ic HLC1 = telephony HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

110414	ISDN reference to:   Other relevant references:   ETSI EN 300 403-1 [1],   clauses 5.1 and 5.2   ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1   Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2   Recommendation ITU-T Q.699 [24], clauses 2.1.1   and 3.1.1   Recommendation ITU-T Q.1912.5 [35], clauses 6.2   and 7.1   ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110414	
Selection criteria:	<ul><li>Videotelephony teleservice.</li><li>Fallback allowed.</li></ul>	
Test purpose:	Support of videotelephony teleservice: Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt of a CONNECT message, containing a SETUP: BC = UDI/TA and a HLC = telephony assumes that fallback to telephony 7 kHz has occurred.	
Parameter values:	! SETUP ? CONNECT:  BC1 = speech SETUP: BC = UDI with TA  BC2 = UDI with TA HLC = telephony  HLC1 = telephony  HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

110415	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI-TA/110415
Selection criteria:	<ul> <li>Videotelephony teleservice</li> </ul>	).
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Support of videotelephony teleservice:	
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported	
	transparently through the network and on receipt of a CONNECT message, containing a	
	BC = speech and a HLC = telepholoccurred.	ony assumes that fallback to telephony 3,1 kHz has
Parameter values:	! SETUP ? CONN	ECT:
	BC1 = speech BC = spe	eech
	BC2 = UDI with TA HLC = te	lephony
	HLC1 = telephony	
	HLC2 = videotelephony_ic	
Comments:		Illowed SETUP message: A SETUP message
	containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, and two HLCs, with first HLC = telephony and the second	
	HLC = videotelephony_ic and not containing a LLC.	
	TILO - VIGCOLOIEPHONY_IC and II	ot containing a LLO.

110416	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI-TA/110416	
Selection criteria:	- Videotelephony teleservice	).	
	<ul> <li>Fallback allowed.</li> </ul>		
	<ul> <li>T reference point at the de</li> </ul>	stination interface.	
Test purpose:	Support of videotelephony teleservice:		
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt A CALL PROCEEDING message		
	containing a PI = #5 and a BC = speech, and a HLC = Telephony or no assumes that		
	fallback to telephony 3,1 kHz has occurred.		
Parameter values:	! SETUP ? CALL PRO		
	BC1 = speech BC = speech		
	BC2 = UDI with TA HLC = telepl	nony	
	HLC1 = telephony PI = #5		
	HLC2 = videotelephony_ic		
Comments:		Illowed SETUP message: A SETUP message	
		containing two BCs, with the first BC = speech and the second SETUP:	
	BC = UDI/TA, and two HLCs, with first HLC = telephony and the second		
	HLC = videotelephony_ic and n	ot containing a LLC.	

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110417	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7.1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	/UDI-TA/110417
Selection criteria:	<ul> <li>Videotelephony teleservice</li> </ul>	).
	<ul> <li>Fallback allowed.</li> </ul>	
	- T reference point at the destination interface.	
Test purpose:	Support of videotelephony teleservice:	
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported	
	transparently through the network and on receipt of CALL PROCEEDING followed by a	
	PROGRESS message containing a PI = #5 and a BC = speech, and a HLC = Telephony	
	or no assumes that fallback to tele	ephony 3,1 kHz has occurred.
Parameter values:	! SETUP ? PROGRESS	
	BC1 = speech BC = speech	
	BC2 = UDI with TA HLC = telept	nony
	HLC1 = telephony PI = #5	·
	HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message	
	containing two BCs, with the first BC = speech and the second SETUP:	
	BC = UDI/TA, and two HLCs, with first HLC = telephony and the second	
	HLC = videotelephony_ic and n	
	· · · · · · · · · · · · · · · · · · ·	-

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110418	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	
		ETSI EN 383 001 [36], clauses 7.1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful	I/UDI-TA/110418	
Selection criteria:	<ul> <li>Videotelephony teleservice</li> </ul>	9.	
	<ul> <li>Fallback allowed.</li> </ul>		
	<ul> <li>T reference point at the de</li> </ul>	stination interface.	
Test purpose:	Support of videotelephony teleservice:		
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt on a ALERTING message containing a		
	PI = #5 and a BC = speech, and a HLC = Telephony or no assumes that fallback to		
	telephony 3,1 kHz has occurred.		
Parameter values:	! SETUP ? ALERT		
	BC1 = speech BC = speech		
	BC2 = UDI with TA HLC = telepl	hony	
	HLC1 = telephony PI = #5		
	HLC2 = videotelephony_ic		
Comments:		allowed SETUP message: A SETUP message	
		containing two BCs, with the first BC = speech and the second SETUP:	
	BC = UDI/TA, and two HLCs, with	th first HLC = telephony and the second	
	HLC = videotelephony_ic and n	ot containing a LLC.	

## 6.2.1.5 Unsuccessful- Speech

120101	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120101	
Selection criteria:		·	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned number"		
Parameter values:	BC = speech		
Comments:			

120102	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1], clauses 5.1,		
	5.2 and 5.3		
	Recommendation ITU-T Q.931 [38],		
	clauses 5.1 and 5.2		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120102	
Selection criteria:			
Test purpose:		busy and responds with a RELEASE COMPLETE	
	message indicating cause value #17 "user busy", the network transport the cause value		
	to the calling user		
Parameter values:	BC = speech		
Comments:			

120103	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120103	
Selection criteria:		
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding"	
Parameter values:	BC = speech	
Comments:		

120104	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120104	
Selection criteria:		·
Test purpose:		e called user (but user alerted), the network initiate alled user with cause value #19 "no user responding
Parameter values:	BC = speech	
Comments:		

120105	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120105	
Selection criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user	
Parameter values:	BC = speech	
Comments:		

120106	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120106	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	BC = speech	
Comments:		

120107	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1 and 5.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120107	
Selection criteria:		
Test purpose:	Ensure that when the called user is r	not compatible and responds with a RELEASE
	COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user	
Parameter values:	BC = speech	
Comments:		

120108	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120108	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = speech	
Comments:		

120109	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38],	Other relevant references:
	clauses 5.1 and 5.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120109	
Selection criteria:	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = speech	
Comments:		

## 6.2.1.6 Unsuccessful - UDI

120201	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120201	
Selection criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the	
	calling user with cause value #1 "unassigned number"	
Parameter values:	SETUP: BC = UDI	
Comments:		

120202	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120202	
Selection criteria:		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network transport the cause value to the calling user	
Parameter values:	SETUP: BC = UDI	
Comments:		

120203	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120203	
Selection criteria:		
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to	
	the calling user with cause value #18 "no user responding"	
Parameter values:	SETUP: BC = UDI	· · · ·
Comments:		

120204	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120204	
Selection criteria:		
Test purpose:		e called user (but user alerted), the network initiate alled user with cause value #19 "no user responding
Parameter values:	SETUP: BC = UDI	
Comments:		

120205	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1], clauses 5.1,		
	5.2 and 5.3		
	Recommendation ITU-T Q.931 [38],		
	clauses 5.1, 5.2 and 5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120205	
Selection criteria:			
Test purpose:	Ensure that when the called user reje	ects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport		
	the cause value to the calling user		
Parameter values:	SETUP: BC = UDI		
Comments:			

120206	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120206	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	SETUP: BC = UDI	
Comments:		

120207	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120207	
Selection criteria:		
Test purpose:	Ensure that when the called user is i	not compatible and responds with a RELEASE
	COMPLETE message indicating cause value #88 "called user not compatible", the	
	network transport the cause value to the calling user	
Parameter values:	SETUP: BC = UDI	
Comments:		

120208	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120208	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	SETUP: BC = UDI	
Comments:		

120209	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120209	
Selection criteria:	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	SETUP: BC = UDI	
Comments:		

## 6.2.1.7 Unsuccessful- Audio

120301	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120301	
Selection criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned number"	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120302	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120302	
Selection criteria:		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network transport the cause value to the calling user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120303	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120303	
Selection criteria:		
Test purpose:	Ensure that, when the called user is	not responding, the network initiate call clearing to
	the calling user with cause value #18	s "no user responding"
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120304	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120304	
Selection criteria:		
Test purpose:		e called user (but user alerted), the network initiate alled user with cause value #19 "no user responding
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120305	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1], clauses 5.1,		
	5.2 and 5.3		
	Recommendation ITU-T Q.931 [38],		
	clauses 5.1, 5.2 and 5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120305	
Selection criteria:			
Test purpose:	Ensure that when the called user rej	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network transport		
	the cause value to the calling user	•	
Parameter values:	BC = 3,1 kHz audio		
Comments:			

120306	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120306	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120307	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120307	
Selection criteria:		
Test purpose:	Ensure that when the called user is r	not compatible and responds with a RELEASE
	COMPLETE message indicating cause value #88 "called user not compatible", the	
	network transport the cause value to the calling user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120308	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120308	
Selection criteria:	Multipoint configuration for the called	side
Test purpose:		ears with cause value #16 "normal call clearing" network transport the cause value to the called user
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120309	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120309	
Selection criteria:	Point-to-point configuration for the called side		
Test purpose:		ars with cause value #16 "normal call clearing" network transport the cause value to the called user	
Parameter values:	BC = 3,1 kHz audio	·	
Comments:			

## 6.2.1.8 Unsuccessful - UDI-TA

120401	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38],	Other relevant references:
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful	/UDI-TA/120401
Selection criteria:		
Test purpose:		ted number, the network initiate call clearing to the Γ message containing a PI#8 and the cause value #1
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120402	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/	/UDI-TA/120402
Selection criteria:		
Test purpose:	message indicating cause value #17	ousy and responds with a RELEASE COMPLETE "user busy", the network initiate call clearing to the message containing a PI#8 and the cause #17
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120403	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120403	
Selection criteria:		
Test purpose:		not responding, the network initiate call clearing to ECT message containing a PI#8 and cause value
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120404	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120404	
Selection criteria:		
Test purpose:		e called user (but user alerted), the network initiate  T message containing a PI#8 and to the calling user "no user responding (user alerted)"
Parameter values:	SETUP: BC = UDI/TA	·
Comments:		

120405	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120405	
Selection criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #21 "call rejected" to the calling user	
Parameter values:	SETUP: BC = UDI/TA	-
Comments:		

120406	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful,	/UDI-TA/120406
Selection criteria:		
Test purpose:	Ensure that when the called user terr	minal is not connected, the network initiate call
	clearing to the calling user sending a	DISCONNECT message containing a PI#8 and the
	cause value #27 "destination out of c	order"
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120407	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120407	
Selection criteria:		
Test purpose:		ot compatible and responds with a RELEASE se value #88 "called user not compatible", the the calling user
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120408	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1,	
	5.2 and 5.3	
	Recommendation ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful,	/UDI-TA/120408
Selection criteria:	Multipoint configuration for the called	side
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
		network initiate call clearing to the calling user
		ontaining a PI#8 and the cause value #16 "normal
	call clearing" to the called user.	
Parameter values:	SETUP: BC = UDI/TA	
Comments:		

120409	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1], clauses 5.1,		
	5.2 and 5.3		
	Recommendation ITU-T Q.931 [38],		
	clauses 5.1, 5.2 and 5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful	/UDI-TA/120409	
Selection criteria:	Point-to-point configuration for the ca	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user cle	ears with cause value #16 "normal call clearing"	
		network initiate call clearing to the calling user	
	sending a DISCONNECT message of	containing a PI#8 and the cause value #16 "normal	
	call clearing" to the called user.		
Parameter values:	SETUP: BC = UDI/TA		
Comments:			

# 6.2.2 Test purposes for ISDN-ISDN, Supplementary services

#### 6.2.2.1 CLIP

210101	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210101	
Selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "subscriber number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown). See note.	
Comments:		
	then in the connection between the ISDN users takes place an Interworking based on the	
	TS 129 163 [40] or Recommendation ITU-T Q.1912.5 [35], the called TDM based user will receive	
two identical	default umbers, one with the SI=NP the second with the SI=UPNS.	

240402	ICDN reference to:	Other relevant references
210102	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210102	
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number	
	"national number", with Calling party subaddress, the Calling party number and Calling	
	party subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown). See note.	
Comments:		
NOTE: In the case w	NOTE: In the case when in the connection between the ISDN users takes place an Interworking based on the	
ETSI TS 129 163 [40] or Recommendation ITU-T Q.1912.5 [35], the called TDM based user will receive		
two identical default umbers, one with the SI=NP the second with the SI=UPNS.		

- 2	210103	ISDN reference to:	Other relevant references:
		ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
		clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10
			and 4.5.11
			ETSI TS 183 036 [42], clause 5.2.3
			Recommendation ITU-T Q.1912.5 [35], annex B.1
			ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS refe	rence:	ISDN-ISDN/Supplementary_services/CLIP/210103	
Selection	r criteria:	The called user is provided with CLIP.	
Test purp	oose:	Ensure that when Calling party number is provided by the calling user, Type of number	
		"international number", with Calling party subaddress, the Calling party number and	
		Calling party subaddress information elements are correctly delivered to the called	
		(served) user.	
Paramet	er values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown). See note.	
Commer	its:		
NOTE:	NOTE: In the case when in the connection between the ISDN users takes place an Interworking based on the		
	ETSI TS 129 163 [40] or Recommendation ITU-T Q.1912.5 [35], the called TDM based user will receive		
	the SI=NP the second with the SI=UPNS.		

210104	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CLIP/210104	
Selection criteria:	The called user is provided w	The called user is provided with CLIP.	
Test purpose:	Ensure that when Calling par	Ensure that when Calling party number is provided by the calling user, Type of number	
	"unknown", with Calling party	"unknown", with Calling party subaddress, the Calling party number and Calling party	
	subaddress information elem	subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N =	BC = PIXIT, SI = UPVP, N = international (or N = unknown). See note.	
Comments:			
NOTE: In the case	NOTE: In the case when in the connection between the ISDN users takes place an Interworking based on the		
ETSI TS 129 163 [40] or Recommendation ITU-T Q.1912.5 [35], the called TDM based user will receive			
two identical default umbers, one with the SI=NP the second with the SI=UPNS.			

210105	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210105		
Selection criteria:	The called user is provided with CLIP.		
Test purpose:	Ensure that when no Calling party number information element is provided by the calling		
	user, (and no Calling party subaddress), the Calling party number information element is		
	network provided and correctly delivered to the called (served) user.		
Parameter values:	BC = PIXIT, SI = NP, N = international (or N = unknown). See note.		
Comments:			
NOTE: In the case w	se when in the connection between the ISDN users takes place an Interworking based on the		
ETSI TS 129	ETSITS 129 163 [40] or Recommendation ITU-T Q.1912.5 [35], the called TDM based user will receive		
two identical default umbers, one with the SI=NP the second with the SI=UPNS.			

210106	ISDN reference to:	Other relevant references:	
210100	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1 ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CLIP/210106	
Selection criteria:		The called user is provided with CLIP.	
	<ul> <li>Special arrangement</li> </ul>	- Special arrangement applies.	
Test purpose:	element and a valid calling n number information element screening indicator is set to " second Calling party number		
Parameter values:	BC = PIXIT		
Comments:			

210107	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CLIP/210107
Selection criteria:	- The called user is provided with CLIP.	
	<ul> <li>Special arrangement applie</li> </ul>	S.
Test purpose:	Ensure that when a special arrangement applies and a Calling party subaddress information element is provided by the calling user, the Calling party number information element with the default number of the access of the calling user, the screening indicator is set to "network-provided, with the Calling party subaddress information element are delivered to the called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

210108	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CLIP/210108	
Selection criteria:	<ul> <li>The called user is prove</li> </ul>	- The called user is provided with CLIP.	
	<ul> <li>Special arrangement a</li> </ul>	- Special arrangement applies.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and no Calling party number		
		ed by the calling user, the Calling party number information	
	element the with the default n	element the with the default number of the access of the calling user, the screening	
	indicator is set to "network-provided is delivered to the called (served) user.		
Parameter values:	BC = PIXIT. See note.		
Comments:			

210109	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_s	services/CLIP/210109	
Selection criteria:	- The called user is provided with CLIP and the two delivery option does not apply;		
	<ul> <li>Special arrangement a</li> </ul>	applies.	
Test purpose:	Ensure that when a special a	rrangement applies and a Calling party number	
	information element and a val	lid calling number is provided by the calling user, the Calling	
		party number information element with the calling number, presentation is allowed and	
	the screening indicator is set to "user-provided, not screened" is delivered to the called		
	(served) user.		
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.2.2 CLIR

210201	ISDN reference to: ETSI EN 300 093-1 [4], clause 9.4.1	Other relevant references: ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11 Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11 ETSI TS 183 036 [42], clause 5.2.3 Recommendation ITU-T Q.1912.5 [35], annex B.1 ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1 ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_services/CLIR/210201	
Selection criteria:	The calling user is provided with ClCLIP.	LIR permanent mode subscription, the called user with
Test purpose:	party subaddress, the Calling party	number is provided by the calling user, with Calling number information element is delivered to the called The Calling party subaddress shall not be present
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N =	unknown, NPI = unknown
Comments:		

210202	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_	services/CLIR/210202
Selection criteria:	The calling user is provided vCLIP.	with CLIR permanent mode subscription, the called user with
Test purpose:	Ensure that when no Calling	party number is provided by the calling user (and no Calling
	party subaddress), the Callin	g party number information element is network provided and
	delivered to the called user w	vithout any digit information.
Parameter values:	BC = PIXIT, PI = PR, SI = NI	P, N = unknown, NPI = unknown
Comments:		

210203	ISDN reference to:	Other relevant references:	
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
		ETSI EN 300 092-1 [3], clause A.2 figure 2	
TSS reference:	ISDN-ISDN/Supplementary_	services/CLIR/210203	
Selection criteria:	The calling user is provided called user with CLIP.	with CLIR temporary (PIXIT table 7) mode subscription, the	
Test purpose:		party number is provided by the calling user, with Calling	
		g party number information element is delivered to the called	
	user without any digit inform	user without any digit information. The Calling party subaddress shall not be present.	
Parameter values:	BC = PIXIT, PI = PR, SI = N	P, N = unknown, NPI = unknown	
Comments:			

**Table 7: PIXIT values of CLIRt** 

PIXIT VALUE	CLIRt
1	CLIRt (def=present) IE with PI=1 or PI=2
2	CLIRt (def=restrict) empty IE or PI=1 or PI=2

210204	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_services/CLIR/210204	
Selection criteria:	The calling user is provided with CLIR temporary mode (PIXIT table 7) subscription, the called user with CLIP.	
Test purpose:	Ensure that when no Calling party number is provided by the calling user (and no Calling party subaddress), the Calling party number information element is network provided and	
	delivered to the called user without any digit information.	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210205	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_services/CLIR/210205	
Selection criteria:	The calling user is provided with CLIR temporary mode (PIXIT table 7) subscription.	
	The called user is provided with CLIP.	
	Special arrangement applies.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and a Calling party number	
	information element and a valid calling number with presentation in not allowed is	
	provided by the calling user, the Calling party number information element with the	
	presentation indicator set to "presentation restricted", the screening indicator is set to	
	"network-provided" is delivered to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.2.3 COLP

210301	ISDN reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clause 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLP/210301	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number "subscriber number", with Connected subaddress, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

210302	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clause 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLP/210302	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number "national number", with Connected subaddress, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

210303	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/COLP/210303	
Selection criteria:	The calling user is provided v	The calling user is provided with COLP.	
Test purpose:	"international number", with 0	Ensure that when the Connected number is provided by the called user, Type of number "international number", with Connected subaddress, the Connected number and Connected subaddress information elements are correctly delivered to the calling	
Parameter values:	BC = PIXIT, SI = UPVP, N =	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:			

210304	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLP/210304	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number "unknown", with Connected subaddress, the Connected number information element with the with the Screening indicator value "user provided" and Connected subaddress information element correctly delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

210305	ISDN reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/COLP/210305	
Selection criteria:	Calling user is provided with	Calling user is provided with COLP.	
Test purpose:	Ensure that when no Connected number is provided by the called user (and no Connected subaddress), the Connected number information element is network provided and correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, $SI = NP$ , $N = interest of the second seco$	BC = PIXIT, SI = NP, N = international (or N = unknown)	
Comments:			

210306	ISDN reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/COLP/210306	
Selection criteria:	Calling user is provided with COLP.		
Test purpose:	Ensure that when an <b>incorrect</b> Connected number is provided by the called user (and no Connected subaddress), the Connected number information element is network provided and correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, SI = NP, N = international (or N = unknown)		
Comments:			

210307	ISDN reference to: ETSI EN 300 097-1 [5],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2	
	014400 0.0.1	ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	services/COLP/210307	
Selection criteria:	<ul> <li>Calling user is provide</li> </ul>		
	<ul> <li>Special arrangement a</li> </ul>	applies.	
Test purpose:	on receipt of a CONNECT me with the Type of number code discards the Connected number CONNECT message containing default number associated wi	- Special arrangement applies.  Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing a Connected number information element with the Type of number coded other than "national number" or "international number": discards the Connected number information element (resulting in the sending of a CONNECT message containing a Connected number information element with the default number associated with the called access to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:			
Comments:			

210308	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/COLP/210308
Selection criteria:	<ul> <li>Calling user is provided v</li> </ul>	vith COLP;
	<ul> <li>Special arrangement app</li> </ul>	lies.
Test purpose:	on receipt of a CONNECT mess with the Numbering plan identific plan" or "unknown": discards the Connected number CONNECT message containing default number associated with the containing default number assoc	resent call state N06 and a special arrangement applies, age containing a Connected number information element or field coded other than "ISDN/telephony numbering information element (resulting in the sending of a a Connected number information element with the called access to the calling user) and sends a essage and enters the Active call state N10.
Parameter values:		
Comments:		

210309	ISDN reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_		
Selection criteria:	<ul> <li>Calling user is provide</li> <li>Special arrangement</li> </ul>		
Test purpose:	on receipt of a CONNECT me with a Screening indicator van discards the Screening indicator containing a Connected nume "user-provided, not screened	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing a Connected number information element with a Screening indicator value:  discards the Screening indicator value (resulting in the sending of a CONNECT message containing a Connected number information element with the Screening indicator value "user-provided, not screened" to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:	BC = PIXIT, SI = NP	BC = PIXIT, SI = NP	
Comments:			

210310	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_service	es/COLP/210310
Selection criteria:	<ul> <li>Calling user is provided with</li> </ul>	n COLP.
	<ul> <li>Special arrangement applie</li> </ul>	S.
Test purpose:	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing no Connected number information element:	
	accepts the message (resulting in the sending of a CONNECT message containing a Connected number information element with the Screening indicator value "network-provided" and the default number associated with the called access to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:	BC = PIXIT	
Comments:		

210311	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/COLP/210311	
Selection criteria:	- Calling user is provided	with COLP.	
	<ul> <li>Special arrangement ap</li> </ul>	plies.	
Test purpose:	on receipt of a CONNECT mes and a Connected subaddress in accepts the message (resulting Connected number and a Connected number and a Co	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing a Connected number information element and a Connected subaddress information element: accepts the message (resulting in the sending of a CONNECT message containing a Connected number and a Connected subaddress information element to the calling user and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:	BC = PIXIT		
Comments:			

## 6.2.2.4 COLR

210401	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI EN 300 097-1 [22], clause 1, figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210401		
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.		
Test purpose:	Ensure that when the Connected number is provided by the called user, with Connected subaddress, the Connected number information element is delivered to the calling user without any digit information. The Connected subaddress shall not be present		
Parameter values:	BC = PIXIT, PI = PR, SI = NF	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:			

210402	ISDN reference to:	Other relevant references:
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [22], figure 4
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2
		Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210402	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP	
Test purpose:	Ensure that when no Connected number is provided by the called user (and no	
	Connected subaddress), the Connected number information element is network provided	
	and delivered to the calling user without any digit information.	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210403	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI EN 300 097-1 [22], figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210403	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.	
Test purpose:	Ensure that when no Connected number is provided by the called user, with Connected subaddress, the Connected subaddress shall not be present to the calling user.	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210404	ISDN reference to:	Other relevant references:
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [22], figure 4
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2
		Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210404	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling	
	user with COLP.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when no Connected number is	
	provided by the called user in the CONNECT message, the Connected number	
	information element with Presentation indicator value "presentation restricted" and without	
	connected party number is delivered	ed to the calling (served) user.
Parameter values:	BC = PIXIT	
Comments:		

210405	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.11	Other relevant references: ETSI EN 300 097-1 [22], clause 1, figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/COLR/210405	
Selection criteria:	The called (served) user is pruser with COLP.	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when the Connected number with the Presentation indicator "presentation restricted" is provided by the called user in the CONNECT message, the Connected number information element with Presentation indicator value "presentation restricted" and without connected party number is delivered to the calling (served) user.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

210406	ISDN reference to:	Other relevant references:
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [22], clause 1, figure 4
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2
		Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210406	
Selection criteria:	The called (served) user is provided with COLR temporary (def= restricted) mode	
	subscription, the calling user with (	COLP.
Test purpose:	Ensure that when the Connected number is provided by the called user with the	
	Presentation indicator set to "presentation restricted", with Connected subaddress, the	
	Connected number information element is delivered to the calling user without any digit	
	information. The Connected subaddress shall not be present	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210407	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI EN 300 097-1 [22], figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210407	
Selection criteria:	The called (served) user is provided with COLR temporary mode (PIXIT table 8)	
	subscription, the calling user with COLP	
Test purpose:	Ensure that when no Connected number is provided by the called user (and no Connected subaddress), COLR temporary mode (PIXIT table 8), the Connected number information element is network provided and delivered to the calling user without any digit information.	
Parameter values:	BC = PIXIT, PI = PR, SI = NP	, N = unknown, NPI = unknown
Comments:		

Table 8: PIXIT values of COLRt

PIXIT VALUE	COLRt
1	COLRt; (def=non-restricted) IE with PI=1 or PI=2
2	COLRt (def=restricted) empty IE or PI=1 or PI=2

210408	ISDN reference to:	Other relevant references:	
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [22], clause 1, figure 4	
	clauses 9.3.1 and 9.4.11	ETSI TS 183 036 [42], clause 5.2.2	
		Recommendation ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_serv	ISDN-ISDN/Supplementary_services/COLR/210408	
Selection criteria:	The called (served) user is provided with COLR temporary mode		
	(PIXIT table 8) subscription, the calling user with COLP.		
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when the Connected number with the Presentation indicator "presentation restricted" is provided by the called user in the CONNECT message, the Connected number information element with Presentation indicator value "presentation restricted" and without connected party number is delivered to the calling (served) user.		
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.2.5 CUG

	lianti d	lau i i	
210501	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CUG/210501	
Selection criteria:		Originating user has subscribed to CUG	
	Options for registered Cl	JG index:	
	Intra CUG restrictions: Nor	e designated (-OCB)	
	Options for public identit	y in use:	
	Preferential CUG: None de	signated	
	Outgoing access: not allow		
Test purpose:		UP with CUG index, successful.	
		t of an SETUP request containing an CUG element with	
	Facility CUGCall Operation invoke containing		
	registered CUGIndex,	one containing	
		ontaining an CLIG element with	
	Forwards a SETUP request containing an CUG element with CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:	Non Cod can (vov)		
	ICDN hander velves.		
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation inv	oke .	
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation opt	ion)	
	Non CUG call		
	or		
	Facility CUGCall Operation inv	roke	
	<cugindex></cugindex>		

		1	
210502	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_serv	ices/CUG/210502	
Selection criteria:	Originating user has subscribed t		
		Options for registered CUG index:	
	Intra CUG restrictions: None		
	Options for public identity i	n use:	
	Preferential CUG: None design	gnated	
	Outgoing access: not allowed		
Test purpose:	CUG without preference: SETUP	with CUG index and outgoingAccessRequest = true,	
	successful.		
	Ensure that the SUT on receipt o	f an SETUP request containing an CUG element with	
	Facility CUGCall Operation in	voke containing	
	outgoingAccessRequest =		
	registered CUGIndex,		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	SETUP 1:		
	Facility CUGCall Operation invok	e	
	<pre><oarequested>TRUE</oarequested></pre>		
	<cugindex></cugindex>		
	1000		
	ISDN header values:		
	SETUP 2: (implementation option)		
	OLTOT 2. (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invok	e	
	<cugindex></cugindex>		
L			

210503	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CUG/210503
Selection criteria:	Originating user has subscribed to	
	Options for registered CUG in	
	Intra CUG restrictions: None de	
	Options for public identity in	
	Preferential CUG: None design	
	Outgoing access: allowed per of	
Test purpose:		ETUP with CUG index, successful.
		an SETUP request containing an CUG element with
	Facility CUGCall Operation invo	oke containing
	registered CUGIndex,	
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or	
	Non CUG call (VGW)	
Parameter values:		
Comments:	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>FALSE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

210504	ISDN reference to:	Other relevant references:
210004	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	clauses 3.2.2 and 3.2.4	Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
Concomon contona.	Options for registered CUG i	
	Intra CUG restrictions: None de	
	Options for public identity in	
	Preferential CUG: None design	
	Outgoing access: allowed per	communication
Test purpose:		ETUP with CUG index and outgoingAccessRequest =
	true, successful non CUG commun	nication.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	oke containing
	outgoingAccessRequest =	true and
	registered CUGIndex,	
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or	
	Non CUG call (VGW).	
Parameter values:		
Comments:	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

040505	LIODAL (	Tout 1 / /
210505	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CUG/210505
Selection criteria:	Originating user has subscribed to	
	Options for registered CUG	index:
	Intra CUG restrictions: OCB w	ithin CUG
	Options for public identity in	use:
	Preferential CUG: None design	nated
	Outgoing access: allowed per	communication
Test purpose:	CUG without preference + OAE +	OCB within CUG: SETUP with CUG index and
	outgoingAccessRequest = true, su	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest = true and	
	registered CUGIndex,	
	forwards the SETUP request conta	aining no CUG element.
Parameter values:	·	-
Comments:	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2:	
	No CUG Facility	

210506	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44], clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9 Recommendation ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to CUG  Options for registered CUG index: Intra CUG restrictions: None designated (-OCB)  Options for public identity in use: Preferential CUG: None designated Outgoing access: allowed per communication	
Test purpose:	CUG without preference + OAE: SETUP without CUG index and with outgoingAccessRequest = true, successful outgoing access allowed.  Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = true, forwards the SETUP request containing no CUG element due to outgoing access allowed.	
Parameter values:		
Comments:		

	1		
210507	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_se		
Selection criteria:	Originating user has subscribed	I to CUG	
	Options for registered CU	G index:	
	Intra CUG restrictions: None	e designated (-OCB)	
	Options for public identity	in use:	
	Preferential CUG: None des	signated	
	Outgoing access: allowed p	ermanent	
Test purpose:		SETUP with CUG index, successful.	
· ·		of an SETUP request containing an CUG element with	
	Facility CUGCall Operation		
	registered CUGIndex,	3	
		Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:	, ,		
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invo	oke	
	<cugindex></cugindex>		
	ISDN header values:	ISDN header values:	
	SETUP 2: (implementation opti	SETUP 2: (implementation option)	
	and the second second		
	Non CUG call		
	or		
	Facility CUGCall Operation invo	T	
	<cugindex></cugindex>		

210508	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	ETSI TS 124 654 [44], clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	
		Recommendation ITU-T Q.1912.5 [35], annex B.16
TCC reference	ICDN ICDN/Cupplementer/ consis	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
	Options for registered CUG i	
	Intra CUG restrictions: OCB wi	
	Options for public identity in	
	Preferential CUG: None design	
_	Outgoing access: allowed pern	
Test purpose:	•	d OCB within CUG: SETUP with CUG index,
	successful.	
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with	
	Facility CUGCall Operation invoke containing	
	registered CUGIndex,	
	Forwards a SETUP request contain	ning no CUG element
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2:	
	Non CUG call	

210509	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CUG/210509	
Selection criteria:	Originating user has subscribed to	CUG	
	Options for registered CUG	index:	
	Intra CUG restrictions: None d	esignated (-OCB)	
	Options for public identity in	use:	
	Preferential CUG: None design	nated	
	Outgoing access: allowed perr	manent	
Test purpose:		ETUP with CUG index and outgoingAccessRequest =	
	true, successful.		
		an SETUP request containing an CUG element with	
	Facility CUGCall Operation inv	oke containing	
	outgoingAccessRequest =	true and	
	registered CUGIndex,		
	forwards the SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CHC and		
	Non CUG call		
	Or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		

040540	IODN (	
210510	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_se	
Selection criteria:	Originating user has subscribe	ed to CUG
	Options for registered Cl	JG index:
	Intra CUG restrictions: OC	
	Options for public identit	v in use:
	Preferential CUG: None de	
	Outgoing access: allowed	
Test purpose:		I and OCB within CUG: SETUP with CUG index and
	outgoingAccessRequest = true	
		t of an SETUP request containing an CUG element with
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest = true and	
	registered CUGIndex,	
	Forwards a SETUP request co	ontaining no CUG element
Parameter values:		<b></b>
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation in	voke
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2:	
	No CUG Facility	

210511	ICDN votovovos to:	Oth or role cont references
210511	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	CUG
	Options for registered CUG	index:
	Intra CUG restrictions: None d	esignated (-OCB)
	Options for public identity in	use:
	Preferential CUG: None design	nated
	Outgoing access: allowed perr	
Test purpose:	CUG without preference + OAI: Sa	ETUP without CUG index, successful outgoing access
	allowed.	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest =	false,
	Forwards a SETUP request containing no CUG element	
Parameter values:	·	
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>FALSE</oarequested>	
	<cugindex></cugindex>	
	COO Sindex	
	ISDN header values:	
	SETUP 2:	
	No CUG Facility	
	110 CCC Facility	

210512	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44], clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CUG/210512	
Selection criteria:	Originating user has subscribed to CUG Options for registered CUG index:		
	Intra CUG restrictions: None de		
	Options for public identity in		
	Preferential CUG: None design		
	Outgoing access: allowed pern		
Test purpose:		ETUP without CUG index and with	
		outgoingAccessRequest = true, successful outgoing access allowed.	
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation invoke containing		
	outgoingAccessRequest = true,		
	Forwards a SETUP request contain	ning no CUG element.	
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	ISDN header values:		
	SETUP 2:		
	No CUG Facility		

040540	lional (		
210513	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_s	services/CUG/210513	
Selection criteria:	Originating user has subscrib	ed to CUG	
	Options for registered C	CUG index:	
	Intra CUG restrictions: No	ne designated (-OCB)	
	Options for public ident	ity in use:	
	Preferential CUG: None d	lesignated	
	Outgoing access: allowed	permanent	
Test purpose:	CUG without preference + O/	CUG without preference + OAI: SETUP for non-CUG communication, successful.	
	Ensure that the SUT on recei	pt of an SETUP request containing no CUG element,	
	Forwards a SETUP request of		
Parameter values:		<del>.</del>	
Comments:	ISDN header values:		
	SETUP 1:		
	No CUG Facility		
	<b>1</b>		
	ISDN header values:		
	SETUP 2:		
	No CUG Facility		

210514	ISDN reference to:	Other relevant references:
210514		
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
	Options for registered and p	
	Intra CUG restrictions: None de	
	Options for public identity in	
	Preferential CUG: registered C	UG
	Outgoing access: not allowed	
Test purpose:	CUG with preference: SETUP with	CUG index, successful.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	
	registered CUGIndex,	ů
	Forwards a SETUP request contain	ning an CUG element with
	orwards a SETST Toquest Sortialiting an SSS distribute with	
	CUG index (AGCF)	
	or	
	Non CUG call (VGW)	
Parameter values:	rten eee eam (verv)	
Comments:	ISDN header values:	
Comments.	SETUP 1:	
	Facility CUGCall Operation invoke	
	CUGIndex>	
	<cogingex></cogingex>	
	ISDN booder values	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non OHO sell	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

040545	IODNI ( t	041	
210515	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Originating user has subscribed to CUG		
	Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG		
	Outgoing access: not allowed		
Test purpose:	CUG with preference: SETUP with CUG index and outgoingAccessRequest = true,		
	successful.		
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation inv		
	outgoingAccessRequest = true and		
	registered CUGIndex,		
		ning an CLIG element with	
	Forwards a SETUP request containing an CUG element with  CUG index (AGCF)  or		
	Non CUG call (VGW)		
Parameter values:	Tren eee ean (verv)		
Comments:	ISDN header values:		
Comments.	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	<cogiidex></cogiidex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke <cugindex></cugindex>		
	<cugingex></cugingex>		

210516	ISDN reference to:	Other relevant references:	
210010	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
	01dd303 3.2.2 d11d 3.2.4	Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Orign.: The calling user belongs to a CUG with the following CUG		
	supplementary options: OA; ocb; Preference CUG  Term.: calling user and called user belong to the same CUG;		
	CUG supplementary options: IA; n		
Test purpose:	CUG with preference: SETUP without CUG index, successful.		
		an SETUP request containing an CUG element with	
	Facility CUGCall Operation inv		
	outgoingAccessRequest = false,		
	Forwards a SETUP request contai	ning an CUG element with	
	·		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>FALSE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values: SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	CUGIndex>		
	<uugiiiuex></uugiiiuex>		

210517	ISDN reference to:	Other relevant references:	
210517			
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_services/CUG/210517		
Selection criteria:	Originating user has subscribed to CUG		
	Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG		
	Outgoing access: not allowed		
Test purpose:	CUG with preference: SETUP for non-CUG communication, successful.		
	Ensure that the SUT on receipt of an SETUP request containing no CUG element,		
	Forwards a SETUP request conta		
	orwards a OETOT request containing an OOO dictricit with		
	CUG index (AGCF)		
	Non CUG call (VGW)		
Parameter values:	, ,		
Comments:	omments: ISDN header values:		
	SETUP 1:		
	No CUG Facility		
	,		
	ISDN header values:		
	SETUP 2: (implementation option)		
	OE 101 2: (implomontation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	CUGIndex>	,	
	COGINGEX>		

210518	ISDN reference to:	Other relevant references:	
210310	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
	Clauses 9.2.2 and 9.2.4	Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_services/CUG/210518		
Selection criteria:	Originating user has subscribed to CUG		
	Options for registered and preferred CUG index:		
	Intra CUG restrictions: None de		
	Options for public identity in use:		
	Preferential CUG: registered CUG		
	Outgoing access: allowed per communication		
Test purpose:	CUG with preference + OAE: SET		
' '	Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation invoke containing		
	registered CUGIndex,		
	Forwards a SETUP request containing an CUG element with		
	·		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<outgoingaccessrequest>FALSE</outgoingaccessrequest>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	SETUP 2:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	100011100//		

210519	ISDN reference to:	Other relevant references:	
210519			
	ETSI EN 300 138-1 [7],	ETSLTS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Originating user has subscribed to CUG		
	Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG		
	Outgoing access: allowed per communication		
Test purpose:		UP with CUG index and outgoingAccessRequest =	
	true, successful.		
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with	
	Facility CUGCall Operation inve		
	outgoingAccessRequest = 1		
	registered CUGIndex,		
	Forwards a SETUP request contai	ning an CUG element with	
	CUG index (AGCF) or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<pre><oarequested>TRUE</oarequested></pre>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	1 COOGINGOA		

		Other relevant references:	
		ETSI TS 124 654 [44], clause 4.5.2.4	
CI		ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
	SDN-ISDN/Supplementary_service		
Selection criteria: O	Originating user has subscribed to C		
	Options for registered and pre	eferred CUG index:	
	Intra CUG restrictions: OCB with	nin CUG	
	Options for public identity in use:		
	Preferential CUG: registered CU	IG	
	Outgoing access: allowed per co		
Test purpose: C	CUG with preference + OAE + OCE	Swithin CUG: SETUP with CUG index and	
O	utgoingAccessRequest = true, suc	cessful.	
E	nsure that the SUT on receipt of a	n SETUP request containing an CUG element with	
	Facility CUGCall Operation invo		
	outgoingAccessRequest = true and		
	registered CUGIndex,		
F	orwards a SETUP request contain	ing no CUG element	
Parameter values:	•		
Comments:	SDN header values:		
S	ETUP 1:		
l lF:	acility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	.500111000		
IS	SDN header values:		
l s	ETUP 2:		
N	lo CUG Facility		

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210521	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
	Options for registered and p	
	Intra CUG restrictions: None de	
	Options for public identity in use:	
	Preferential CUG: registered CUG	
	Outgoing access: allowed per	
Test purpose:	CUG with preference + OAE: SET	
	outgoingAccessRequest = false, s	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	oke containing
	outgoingAccessRequest =	false,
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or	
	Non CUG call (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>FALSE</oarequested>	
	•	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	•	

210522	ISDN reference to:	Other relevant references:
210522		
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
	Options for registered and p	
	Intra CUG restrictions: None d	esignated
	Options for public identity in	use:
	Preferential CUG: registered C	CUG
	Outgoing access: allowed per	communication
Test purpose:	CUG with preference + OAE: SET	UP without CUG index and with
	outgoingAccessRequest = true, su	uccessful.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	oke containing
	outgoingAccessRequest =	true.
	Forwards a SETUP request conta	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<pre><outgoingaccessrequest></outgoingaccessrequest></pre>	
	and any and any and any and any and any and any and any and any	
	ISDN header values:	
	SETUP 2:	
	02.0. 2.	
	Non CUG call	
	SETUP 2:	
	Facility CUGCall Operation invoke	1
	CUGIndex>	
	COOdinaes/	

210523	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	CUG
	Options for registered and p	
	Intra CUG restrictions: None de	esignated (-OCB)
	Options for public identity in	use:
	Preferential CUG: registered C	
	Outgoing access: allowed per of	
Test purpose:	CUG with preference + OAE: SET	UP for non-CUG communication, successful.
	Ensure that the SUT on receipt of	an SETUP request containing no CUG element,
	returns an SETUP request contain	ing an CUG element with
	CUG index (AGCF)	
	or	
	Non CUG call (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	No CUG Facility	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

210524	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Originating user has subscribed to	
	Options for registered and pr	
	Intra CUG restrictions: None de	
	Options for public identity in	
	Preferential CUG: registered C	
	Outgoing access: allowed perm	
Test purpose:	CUG with preference + OAI: SETU	
		an SETUP request containing an CUG element with
	Facility CUGCall Operation inve	oke containing
	registered CUGIndex,	
	Forwards a SETUP request contain	ning an CUG element with
	CUG index (AGCF)	
	Or `	
	Non CUG call (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

210525	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references: ETSI TS 124 654 [44], clause 4.5.2.4		
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9		
		Recommendation ITU-T Q.1912.5 [35], annex B.16		
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10		
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/210525		
Selection criteria:	Originating user has subscribed to			
	Options for registered and pr			
	Intra CUG restrictions: OCB wi	thin CUG		
	Options for public identity in			
	Preferential CUG: registered C			
	Outgoing access: allowed perm			
Test purpose:	CUG with preference + OAI and OCB within CUG: SETUP with CUG index, successful.			
		an SETUP request containing an CUG element with		
		Facility CUGCall Operation invoke containing		
	registered CUGIndex,			
	Forwards a SETUP request contain	ning no CUG element is present		
Parameter values:				
Comments:	SETUP 1:			
	Facility CUGCall Operation invoke			
	<cugindex></cugindex>			
	ISDN header values:			
	SETUP 2:			
	Non CUG call			

210526	ISDN reference to:	Other relevant references:	
210320		TSI TS 124 654 [44], clause 4.5.2.4	
		TSI TS 183 036 [42], clause 5.2.9	
		tecommendation ITU-T Q.1912.5 [35], annex B.16	
TCC references		TSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_services/		
Selection criteria:	Preconditions: Originating user has Options for registered and prefe		
		Intra CUG restrictions: None designated (-OCB)	
	Options for public identity in use:		
		Preferential CUG: registered CUG	
Toot numacou	Outgoing access: allowed perman	with CUG index and outgoingAccessRequest = true,	
Test purpose:	successful.	with COG index and outgoingAccessRequest = true,	
		SETUP request containing an CUG element with	
		SETUP request containing an COG element with	
	<oarequested>TRUE <cugindex></cugindex></oarequested>		
	Forwards a SETUP request containing an CUG element with		
	•	CUG index (AGCF)	
	or		
	Non CUG call (VGW)		
Davamatary	Non Cog call (vgvv)		
Parameter values:	ISDN header values:		
Comments:	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE <cugindex></cugindex></oarequested>		
	<cugindex></cugindex>		
	ISDN hooder values		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		

	Other relevant references:
ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4
clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	Recommendation ITU-T Q.1912.5 [35], annex B.16
	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
ISDN-ISDN/Supplementary_ser	
Originating user has subscribed	to CUG
Options for public identity	in use:
	OCB within CUG: SETUP with CUG index and
	of an SETUP request containing an CUG element with
	taining no CUG element is present
	<u> </u>
ISDN header values:	
SETUP 1:	
Facility CUGCall Operation invo	ke
<cugindex></cugindex>	
ISDN header values:	
SETUP 2:	
No Facility CUGCall Operation in	nvoke
	ISDN-ISDN/Supplementary_sen Originating user has subscribed Options for registered and Intra CUG restrictions: OCB Options for public identity Preferential CUG: registered Outgoing access: allowed pe CUG with preference + OAI and outgoingAccessRequest = true, Ensure that the SUT on receipt of Facility CUGCall Operation in outgoingAccessRequest registered CUGIndex, Forwards a SETUP request cont  ISDN header values: SETUP 1: Facility CUGCall Operation invol <oarequested>TRUE <cugindex>  ISDN header values:</cugindex></oarequested>

ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4  ETSI TS 124 654 [44], clause 4.5.2.4  ETSI TS 183 036 [42], clause 5.2.9  Recommendation ITU-T Q.1912.5 [35], annex B.16  ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10  TSS reference:  ISDN-ISDN/Supplementary_services/CUG/210528  Selection criteria:  Originating user has subscribed to CUG  Options for registered and preferred CUG index:  Intra CUG restrictions: None designated (-OCB)  Options for public identity in use:  Preferential CUG: registered CUG  Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with		1	Ta		
clauses 9.2.2 and 9.2.4  ETSI TS 183 036 [42], clause 5.2.9  Recommendation ITU-T Q.1912.5 [35], annex B.16  ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10  TSS reference:  Selection criteria:  Originating user has subscribed to CUG  Options for registered and preferred CUG index:  Intra CUG restrictions: None designated (-OCB)  Options for public identity in use:  Preferential CUG: registered CUG  Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with			Other relevant references:		
Recommendation ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10  TSS reference: ISDN-ISDN/Supplementary_services/CUG/210528  Selection criteria: Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose: CUG with preference + OAI: SETUP without CUG index and with	E	ETSI EN 300 138-1 [7],			
TSS reference:  Selection criteria:  Originating user has subscribed to CUG  Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with	С	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9		
TSS reference:  Selection criteria:  Originating user has subscribed to CUG  Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with			Recommendation ITU-T Q.1912.5 [35], annex B.16		
TSS reference:    ISDN-ISDN/Supplementary_services/CUG/210528   Selection criteria:   Originating user has subscribed to CUG     Options for registered and preferred CUG index:     Intra CUG restrictions: None designated (-OCB)     Options for public identity in use:     Preferential CUG: registered CUG     Outgoing access: allowed permanent     Test purpose:   CUG with preference + OAI: SETUP without CUG index and with					
Selection criteria: Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose: CUG with preference + OAI: SETUP without CUG index and with	erence:	ce: ISDN-ISDN/Supplementary_service			
Intra CUG restrictions: None designated (-OCB)  Options for public identity in use:  Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with					
Options for public identity in use:  Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose:  CUG with preference + OAI: SETUP without CUG index and with		Options for registered and p	referred CUG index:		
Preferential CUG: registered CUG Outgoing access: allowed permanent  Test purpose: CUG with preference + OAI: SETUP without CUG index and with		Intra CUG restrictions: None d	esignated (-OCB)		
Outgoing access: allowed permanent  Test purpose: CUG with preference + OAI: SETUP without CUG index and with		Options for public identity in	• ' '		
Test purpose: CUG with preference + OAI: SETUP without CUG index and with		Preferential CUG: registered C	SUG		
		Outgoing access: allowed perr	nanent		
outgoing Access Paguest - true, successful	rpose:	: CUG with preference + OAI: SETU	JP without CUG index and with		
UuiguiigAccessNequesi = iiue, Successiui.		outgoingAccessRequest = true, su	uccessful.		
Ensure that the SUT on receipt of an SETUP request containing an CUG element with	E	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with		
Facility CUGCall Operation invoke containing					
outgoingAccessRequest = true,		outgoingAccessRequest =	true,		
Forwards a SETUP request containing an CUG element with	F				
CUGInterlockBinaryCode related to preferred CUG index,		CUGInterlockBinaryCode relat	CUGInterlockBinaryCode related to preferred CUG index,		
networkIndicator (PIXIT) and		networkIndicator (PIXIT) and	networkIndicator (PIXIT) and		
CUGCommunicationIndicator set to CUG with outgoing access.		` '	set to CUG with outgoing access.		
Parameter values:	ter values:	alues:	-		
Comments: ISDN header values:	nts:	ISDN header values:			
SETUP 1:	S	SETUP 1:			
Facility CUGCall Operation invoke	F	Facility CUGCall Operation invoke			
<pre><oarequested>TRUE</oarequested></pre>					
<cugindex></cugindex>					
ISDN header values:	IS	ISDN header values:			
SETUP 2:	ls	SETUP 2:			
Facility CUGCall Operation invoke	F	Facility CUGCall Operation invoke			
CUGIndex>					

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210529	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Terminating user has subscribed t		
	Options for registered CUG i		
	Intra CUG restrictions: None designated (-ICB)		
	Options for public identity in use:		
	Incoming access: not allowed		
Test purpose:	CUG with IA not allowed: SETUP	with interlock code matching registered CUG index and	
	without outgoing access, successt		
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with	
	CUGInterlockBinaryCode relate		
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "11" (CUG without outgoing access),		
	(000		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		

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210530	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_serv		
Selection criteria:	Terminating user has subscribed		
	Options for registered CUG		
	Intra CUG restrictions: None designated (-ICB)		
	Options for public identity in use:		
	Incoming access: allowed		
Test purpose:	Test purpose		
		th interlock code matching registered CUG index and	
	without outgoing access, success		
		f an SETUP request containing an CUG element with	
	CUGInterlockBinaryCode rela		
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "11" (CUG without outgoing access),		
	(000 million out of the first outgoing according		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
Comments.	SETUP 1:		
	Facility CUGCall Operation invok		
	CUGIndex>	le .	
	<cogiiidex></cogiiidex>		
	ISDN header values:		
	SETUP 2: (implementation option	2)	
	2. (implementation option	' <sup>1</sup>	
	Non CUG call		
	or		
	Facility CUGCall Operation invok	se l	
	<cugindex></cugindex>	- <del>-</del>	
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210531	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Terminating user has subscribed t		
	Options for registered CUG i		
	Intra CUG restrictions: None d		
	Options for public identity in use:		
	Incoming access: not allowed		
Test purpose:	CUG with IA not allowed: SETUP	with interlock code matching registered CUG index and	
	with outgoing access, successful.		
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with	
	registered CUG index,		
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "10" (CUG with outgoing access),		
	, , , , , , , , , , , , , , , , , , , ,		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG call (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke	•	
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
-	•		

210532	ISDN reference to:	Other relevant references:		
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4		
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9		
		Recommendation ITU-T Q.1912.5 [35], annex B.16		
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10		
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/210532		
Selection criteria:	Terminating user has subscribed to			
	Options for registered CUG i			
	Intra CUG restrictions: None de			
	Options for public identity in	use:		
	Incoming access: allowed			
Test purpose:		interlock code matching registered CUG index and		
	with outgoing access, successful.			
		an SETUP request containing an CUG element with		
	CUGInterlockBinaryCode relate	ed to registered CUG index,		
	networkIndicator (PIXIT) and			
	CUGCommunicationIndicator s	CUGCommunicationIndicator set to "10" (CUG with outgoing access),		
	Forwards a SETUP request containing an CUG element with			
	ornardo d 52161 Toquost contaming an 555 dismont man			
	CUG index (AGCF)			
	or			
	Non CUG call (VGW)			
Parameter values:				
Comments:	ISDN header values:			
	SETUP 1:			
	Facility CUGCall Operation invoke			
	<cugindex></cugindex>			
	ISDN header values:			
	SETUP 2:SETUP 2: (implementation option)			
	No Facility CUGCall Operation invoke			
	or			
	Facility CUGCall Operation invoke			
	<cugindex></cugindex>			
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210533	ISDN reference to:	Other relevant references:	
210533			
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_serv		
Selection criteria:	Terminating user has subscribed		
	Options for registered CUG	index:	
	Intra CUG restrictions: ICB		
	Options for public identity i	n use:	
	Incoming access: allowed		
Test purpose:	CUG with IA allowed and ICB: Si	ETUP with interlock code matching registered CUG index	
	and with outgoing access, succe	ssful.	
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with CUGInterlockBinaryCode related to registered CUG index,		
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "10" (CUG with outgoing access),		
	Forwards a SETUP request containing no CUG element.		
Parameter values:		-	
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:		
	No Facility CUGCall Operation in	voke	
	in a second of the		

210534	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/CUG/210534	
Selection criteria:	Terminating user has subscribed		
	Options for public identity	in use:	
	Incoming access: allowed		
Test purpose:	CUG with IA allowed: SETUP with	ith interlock code not matching registered CUG index and	
	with outgoing access, successful		
		of an SETUP request containing a CUG element with	
	CUGInterlockBinaryCode not related to registered CUG index,		
	networkIndicator (PIXIT) and		
		r set to CUG with outgoing access,	
	Forwards a SETUP request con-	taining no CUG element.	
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invo	ke	
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:		
	No Facility CUGCall Operation in	nvoke	

210535	ICDNI reference to:	Other relevant references		
210535	ISDN reference to:	Other relevant references:		
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44], clause 4.5.2.4		
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9		
		Recommendation ITU-T Q.1912.5 [35], annex B.16		
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10		
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/CUG/210535		
Selection criteria:	Terminating user has subscrib	ed to CUG		
	Options for public identif	ty in use:		
	Incoming access: allowed			
Test purpose:	No CUG: SETUP with interloc	k code and with outgoing access, successful.		
	Ensure that the SUT on receip	ot of an SETUP request containing an CUG element with		
	CUGInterlockBinaryCode,			
	networkIndicator (PIXIT) and			
		tor set to "10" (CUG with outgoing access),		
	Forwards a SETUP request containing no CUG element.			
Parameter values:				
Comments:	ISDN header values:			
	SETUP 1:			
	Facility CUGCall Operation invoke			
	<cugindex></cugindex>			
	Co o mao, a			
	ISDN header values:			
	SETUP 2:			
	No Facility CUGCall Operation invoke			

210536	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44], clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9 Recommendation ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_s	
Selection criteria:		
Test purpose:	Test purpose  CUG with IA allowed: SETUP without CUG element, successful.  Ensure that the SUT on receipt of an SETUP request containing no CUG element, Forwards a SETUP request containing no CUG element.	
Parameter values:	•	
Comments:	ISDN header values: SETUP 1: No Facility CUGCall Operation invoke  ISDN header values: SETUP 2:	
	No Facility CUGCall Operatio	n invoke

## 6.2.2.6 SUB

210601	ISDN reference to: ETSI EN 300 061-1 [8],	Other relevant references:	
	clause 9.2	ETSI EN 300 403-1 [1], clause 4.5.9 ETSI TS 183 036 [42], clause 5.2.8	
	0.00000	Recommendation ITU-T Q.1912.5 [35], annex B.5	
		ETSI TS 129 163 [40], clause 7.4.5	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/SUB/220601	
Selection criteria:	The called (served) user is p	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called	Ensure that when the Called party subaddress (table 9: PIXIT values Type of subaddress)	
	is provided by the calling user, the Called party subaddress is correctly delivered to the		
	called (served) user		
Parameter values:	BC = PIXIT		
Comments:			

Table 9: PIXIT values Type of subaddress

PIXIT VALUE	Ту	pe of subaddress
1	NSAP/ISO	
2	User Specified	

210602	ISDN reference to:	Other relevant references:
	ETSI EN 300 061-1 [8],	ETSI EN 300 403-1 [1], clause 4.5.9
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.8
		Recommendation ITU-T Q.1912.5 [35], annex B.5
		ETSI TS 129 163 [40], clause 7.4.5
TSS reference:	ISDN-ISDN/Supplementary_services/SUB/210602	
Selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress (table 9: PIXIT values Type of subaddress)	
	is provided by the calling user with length = minimum, the Called party subaddress is	
	correctly delivered to the called (served) user without any digit information	
Parameter values:	BC = PIXIT	
Comments:		

210603	ISDN reference to:	Other relevant references:
	ETSI EN 300 061-1 [8],	ETSI EN 300 403-1 [1], clause 4.5.9
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.8
		Recommendation ITU-T Q.1912.5 [35], annex B.5
		ETSI TS 129 163 [40], clause 7.4.5
TSS reference:	ISDN-ISDN/Supplementary_services/SUB/210603	
Selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling	
	party subaddress is correctly delivered to the called (served) user	
Parameter values:	BC = PIXIT	
Comments:		

210604	ISDN reference to:	Other relevant references:
	ETSI EN 300 061-1 [8],	ETSI EN 300 403-1 [1], clause 4.5.9
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.8
		Recommendation ITU-T Q.1912.5 [35], annex B.5
		ETSI TS 129 163 [40], clause 7.4.5
TSS reference:	ISDN-ISDN/Supplementary_services/SUB/210604	
Selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Connected party subaddress (table 9: PIXIT values Type of	
	subaddress) is provided by the called user, the Connected party subaddress is correctly	
	delivered to the calling user	
Parameter values:	BC = PIXIT	
Comments:		

## 6.2.2.7 TP

210701	ISDN reference to:	Other relevant references:	
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6	
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12	
		Recommendation ITU-T Q.1912.5 [35], annex B.13	
		ETSI TS 129 163 [40], clause 7.4.13	
TSS reference:	ISDN-ISDN/Supplementary_services/TP/210701		
Selection criteria:	The calling user has a basic	The calling user has a basic access	
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling		
	user (no call identity is used)		
Parameter values:	BC = PIXIT		
Comments:			

210702	ISDN reference to:	Other relevant references:
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12
		Recommendation ITU-T Q.1912.5 [35], annex B.13
		ETSI TS 129 163 [40], clause 7.4.13
TSS reference:	ISDN-ISDN/Supplementary_services/TP/210702	
Selection criteria:	The called user has a basic access	
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called user (no call identity is used)	
D ( )		
Parameter values:	BC = PIXIT	
Comments:		

210703	ISDN reference to:	Other relevant references:	
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6	
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12	
		Recommendation ITU-T Q.1912.5 [35], annex B.13	
		ETSI TS 129 163 [40], clause 7.4.13	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/TP/210703	
Selection criteria:	The calling user has a basic access		
Test purpose:	Ensure that when the call is suspended, with the expiry of timer T307 before the call re-		
	establishment, the network starts call clearing to the (still) active side with cause value		
	#102 "recovery on timer expiry"		
Parameter values:	BC = PIXIT		
Comments:			

## 6.2.2.8 UUS1i

210801	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 4.5.29
	clauses 9.1.1.1 and 9.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210801	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent by	
	the network to the called user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210802	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 4.5.29	
	clauses 9.1.1.1 and 9.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_se	ISDN-ISDN/Supplementary_services/UUS1i/210802	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210803	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.2.1	Other relevant references: ETSI EN 300 403-1 [1], clause 4.5.29 ETSI TS 183 036 [42], clause 5.2.10.1.1 Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/UUS1i/210803	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210804	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.2.2.1a	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:		ISDN-ISDN/Supplementary_services/UUS1i/210804	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request		
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the		
	network can transport a User-user information element included in a call clearing		
	DISCONNECT message sent from the calling user and delivered in the DISCONNECT		
	message sent by the network to the called user		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

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210805	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210805	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included in premature clearing RELEASE COMPLETE message sent	
	from the called user and delivered in the DISCONNECT message sent by the network to	
	the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210806	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.1.1	Other relevant references: ETSI EN 300 403-1 [1] ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210806	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that implicit activation of UUS1 with a User-user information element with the minimum length of three octets (without any user information), included in the SETUP message sent from the calling user, is supported	
Parameter values:	BC = PIXIT	
Comments:		

210807	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210807	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the	
	network can transport a User-user information element included in a call clearing	
	DISCONNECT message sent from the called user and delivered in the DISCONNECT	
	message sent by the network to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210808	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210808	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
	Multipoint configuration for the called side	
Test purpose:	Ensure that after implicit activation of UUS1i, the network can transport a User-user	
	information element associated with the highest priority cause included in premature	
	clearing RELEASE COMPLETE messages sent from the called users and delivered in the	
	DISCONNECT message sent by the network to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210809	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210809	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1i, the network can transport a User-user information element included in a premature clearing DISCONNECT message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210810	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210810	
Selection criteria:	orig.: The calling (served) user is provided with UUS1 implicit request	
	term.: UUI1i can be implicitly dis	scarded by the network
Test purpose:	The requested UUS is not supported in Network B	
	Verify that implicit activation of UUI1i can be implicitly discarded by the network without	
	disrupting normal call handling	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

# 6.2.2.9 UUS explicit

210831	ISDN reference to:	Other relevant references:	
210001	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_se	ISDN-ISDN/Supplementary_services/UUS1/210831	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "preferred"		
		(not-essential), the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent by		
	the network to the called user and the network can transport a User-user information		
	element included in the CONNECT message sent from the called user to the calling user		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210832	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.2
	clause 9.1.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.2
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_service	ces/UUS1/210832
Selection criteria:	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required"	
	(essential), the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent by	
	the network to the called user and the network can transport a User-user information	
	element included in the CONNECT message sent from the called user to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210833	ISDN reference to:	Other relevant references:		
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6		
	clause 9.1.1.2.2	Recommendation ITU-T Q.737.1 [23],		
		clause 1.1.5.2.5.2.2		
		ETSI TS 183 036 [42], clause 5.2.10.1.2		
		Recommendation ITU-T Q.1912.5 [35], annex B.21		
		ETSI TS 129 163 [40], clause 7.4.21		
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/UUS1/210833		
Selection criteria:	The calling (served) user is pro	ovided with UUS1 explicit request		
	The requested UUS is not sup	ported in Network B		
Test purpose:		st of UUS1 indicating "preferred", the destination network		
		est without disrupting normal call handling		
	The calling network shall inclu-	The calling network shall include a service 1 rejection with the error value		
	"rejectedByNetwork" in the CC	NNECT message sent to the calling user		
Parameter values:	BC = PIXIT, UI length = 32			
Comments:		If the network does not understand the explicit service 1 request or the terminating call		
	control does not indicate acceptance or rejection then none of the address complete, call			
	progress, answer, connect or release messages returned to the originating exchange			
	shall include either a service 1 acceptance or rejection. This type of response will be			
		taken as an implicit rejection of service 1		
	If the calling network does not	If the calling network does not receive an explicit service 1 acceptance or rejection either		
	· ·	ndication from the called network, the following procedures		
	shall apply:			
	<ul> <li>if the service 1 h</li> </ul>	ad been requested as "preferred", the calling network shall		
	include a service	1 rejection with the error value "rejectedByNetwork" in the		
	CONNECT mess	sage sent to the calling user.		

210834	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6
	clause 9.1.1.2.2	Recommendation ITU-T Q.737.1 [23],
		clause 1.1.5.2.5.2.2
		Recommendation ITU-T Q.699 [24],
		clause 2.1.2.15.2, table 55
		ETSI TS 183 036 [42], clause 5.2.10.1.2
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1/210834	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination network	
	rejects explicit the UUS1 request without disrupting normal call handling	
	The calling network shall include a service 1 rejection with the error value	
	"rejectedByUser" in a CALL PROCEEDING: PROGRESS,	
	ALERTING: or CONNECT message to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:	If the network already has or has obtained the knowledge that the network itself or the	
	called user cannot support service 1 and it was explicitly requested as non-essential, a	
	"service 1 not provided" indication	is returned in the user-to-user indicators parameter in
	the address complete, call progres	ss, answer, connect, or release messages

210835	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_serv	rices/UUS1/210835
Selection criteria:	The calling (served) user is provi	ded with UUS1 explicit request.
Test purpose:	the call with a RELEASE COMPI rejected", the network transport t Error value "rejectedByUser" sha The calling network shall include	of UUS1 indicating "required", if the called user rejects LETE message indicating cause value #29 "facility he cause value to the calling user. A UUS1 rejection with all be included in the message the cause value and the error value received from the ECT message sent to the calling user
Parameter values:	BC = PIXIT	
Comments:	the called user shall send a RELI	the service 1 request, and it was requested as "required", EASE COMPLETE or DISCONNECT message with e called network. A service 1 rejection with the error be included in the message

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210836	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	services/UUS1/210836	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", the called network		
	receives an ALERTING message from the called user including an explicit service 1		
	rejection the called network shall clear the call towards the calling network indicating		
	cause #69 "requested facility not implemented" and the error value "rejectedByUser". In		
	addition, the called network shall send a DISCONNECT message with cause #31		
	"normal, unspecified" The calling network shall include the cause value and the error		
	value received from the Calle	value received from the Called network in the DISCONNECT message sent to the calling	
	user		
Parameter values:	BC = PIXIT		
Comments:			

210837	ISDN reference to:	Other relevant references:		
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6		
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2		
		Recommendation ITU-T Q.1912.5 [35], annex B.21		
		ETSI TS 129 163 [40], clause 7.4.21		
TSS reference:	ISDN-ISDN/Supplementary_	services/UUS1/210837		
Selection criteria:	The calling (served) user is p	rovided with UUS1 explicit request		
Test purpose:	Ensure that after explicit requ	Ensure that after explicit request of UUS1 indicating "required", the called network		
	receives an CONNECT mess	receives an CONNECT message from the called user including an explicit service 1		
	rejection the called network s	rejection the called network shall clear the call towards the calling network indicating		
	cause #69 "requested facility not implemented" and the error value "rejectedByUser". In			
	addition, the called network shall send a DISCONNECT message with cause #31			
	"normal, unspecified" The calling network shall include the cause value and the error			
	value received from the calle	value received from the called network in the DISCONNECT message sent to the calling		
	user			
Parameter values:	BC = PIXIT			
Comments:				

210838	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21	
TSS reference:	ISDN-ISDN/Supplementary service	ETSI TS 129 163 [40], clause 7.4.21	
Selection criteria:	11 7-	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING: or in the CONNECT message the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message sent to the calling user.  Furthermore, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" to the called user		
Parameter values:	BC = PIXIT		
Comments:			

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210839	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	Recommendation ITU-T Q.737.1 [23],	
		clause 1.1.5.2.5.2.2	
		Recommendation ITU-T Q.699 [24],	
		clause 2.1.2.15.2, table 54	
		ETSI TS 183 036 [42], clause 5.2.10.1.2	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_	services/UUS1/210839	
Selection criteria:	The calling (served) user is p	rovided with UUS1 explicit request	
Test purpose:		uest of UUS1 indicating "required", and the called network	
	already has obtained knowled	already has obtained knowledge that the network itself cannot support service 1 a	
	DISCONNECT message is s	ent with cause value 29, "facility rejected" with the service 1	
	rejection with the error value	"rejectedByNetwork"	
Parameter values:	BC = PIXIT		
Comments:			

210840	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21
TSS reference:	ISDN-ISDN/Supplementary_service	ETSI TS 129 163 [40], clause 7.4.21
Selection criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request  If the called user wants to reject the service 1 request, and it was requested as	
rest purpose.	"preferred", the called user shall include a service 1 rejection with the error value	
	"rejectedByUser" in the ALERTING message sent to the called network. The called	
	network shall include the error value in the alerting indication sent to the calling network.	
	The calling network shall also include this rejection in the corresponding ALERTING	
	message sent to the calling user	, , , , , , , , , , , , , , , , , , , ,
Parameter values:	BC = PIXIT, UI length = 32	
Comments:	_	

210841	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "preferred", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the CONNECT message sent to the called network. The called network shall include the error value in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210842	ISDN reference to:	Other relevant references:
210042	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.4.4
	clause 9.2.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.3
	clause 9.2.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS2/210842	
Selection criteria:	- The calling (served) user is provided with UUS2	
	- Point-to-point configuration for the called side	
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport two	
	USER INFORMATION messages in each direction, between the ALERTING: and the	
	CONNECT messages	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210843	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.4.3	
	clause 9.2.1.2	ETSI TS 183 036 [42], clause 5.2.10.1.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	services/UUS2/210843	
Selection criteria:	- The calling (served) เ	The calling (served) user is provided with UUS2	
	<ul> <li>Point-to-point configu</li> </ul>	- Point-to-point configuration for the called side	
Test purpose:	Ensure that after activation of	Ensure that after activation of UUS2 indicating "preferred", if the network does not receive	
	an explicit acceptance or reje	an explicit acceptance or rejection in the ALERTING message from the called user, a	
	UUS2 rejection with the Error value "rejected by the user, it is returned to the calling user		
	in an ALERTING message sent from the network and the call can be established.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

210844	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.2
	clause 9.3.1.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210844	
Selection criteria:	The calling (served) user is provided with UUS3	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "preferred", the	
	network can transport USER INFORMATION messages in both directions during the	
	Active state of the call	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210845	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.3	
	clause 9.3.1.1.2	ETSI TS 183 036 [42], clause 5.2.10.1.4	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/UUS3/210845	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS3	
Test purpose:		Ensure that after the calling user request UUS3 during call establishment indicating	
		"preferred", if the network does not receive an explicit acceptance or rejection in the	
		CONNECT message from the called user, a UUS3 rejection with the Error value "rejected	
	by the user" is included in the CONNECT message sent to the calling user		
Parameter values:	BC = PIXIT		
Comments:			

210846	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.2
	clause 9.3.1.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210846	
Selection criteria:	The calling (served) user is provided with UUS3	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "required", the	
	network can transport USER INFORMATION messages in both directions during the	
	Active state of the call	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210847	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.4
	clause 9.3.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210847	
Selection criteria:	The calling (served) user is provided with UUS3	
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating "preferred", the	
	network can transport USER INFORMATION messages in both directions during the	
	Active state of the call	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210848	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.5	
	clause 9.3.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.4	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/UUS3/210848	
Selection criteria:	The calling (served) user is pr	The calling (served) user is provided with UUS3	
Test purpose:	"preferred", if the called user FACILITY message including	Ensure that after the calling user request UUS3 during the Active call state indicating "preferred", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user	
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.2.10 CONF

210901	ISDN reference to: ETSI EN 300 185-1 [11],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A, figure A.1	Recommendation ITU-T Q.1912.5 [35], annex B.14 ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	CONF	
Test purpose:	Ensure that user A can establish co	onference call from the Null call state
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is sends a SETUP message including component to the network. The net CONNECT message which shall in Facility IE [in the (Active, Idle) state After the reception off the CONNEC procedure, the call is an Active-Hel User A sends a SETUP message the FACILITY message to the network (CRy) including an AddCONF involution of the confuser A sends RELEASE for CRy. User B shall receive a NOTIFY mesuser B has been added to the confuser B	CT message, user A is initiating the call hold Id connection. To user C. After the call establishment, user A sends a indicating the call reference of the call to be added ke component.  NECT message (with CRy) to user A with a Facility IE mponent.  The network response with RELEASE COMPLETE. ssage with a Notification indicator IE indicating that the erence ("Conference established").  The reved user shall clear the connection to the network by dures.  The network shall make the conference established invoked for this conference by the user shall attereturn error component specifying "notActive" or experation requested. On sending or receiving the associated with clearing the connection, the network is different to the connection of the connection. The Conferenced shall be

210902	ISDN reference to:  ETSI EN 300 185-1 [11],  clause 9.2.2, annex A, figure A.2  Clause 9.2.2, annex A, figure A.2  ETSI TS 183 036 [42], clause 5.2.4  Recommendation ITU-T Q.1912.5 [35], annex B.14  ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_services/CONF/210902
Selection criteria:	CONF
Test purpose:	Ensure that user A can establish a conference from the Active call state
Parameter values:	BC = speech
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added (CRx).  The network shall respond to user A with a FACILITY message including a Facility IE which shall contain a BeginCONF return result component in a Facility IE.  User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").  To terminate the conference, the served user shall clear the connection to the network by using the basic call clearing procedures.  On receiving the DISCONNECT message, the network shall make the conference unavailable, i.e. all subsequent operations invoked for this conference by the user shall be responded to with the appropriate return error component specifying "notActive" or "IllConferenceId" depending on the operation requested. On sending or receiving the
	RELEASE COMPLETE message associated with clearing the connection, the network shall release the Partyld associated with each remote user, and shall release the ConferenceId associated with the clearing of the connection. The ConferenceId shall be available for re-use on other conferences.

210903	ISDN reference to:	Other relevant references:	
210000	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42] clause 5.2.4	
	clause 9.2.2, annex A, figure A.3	Recommendation ITU-T Q.1912.5 [35], annex B.14	
	olados olele, armoxyll, ngaroyllo	ETSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	CONF	00/00111/210000	
Test purpose:	Ensure that user A can add an exis	sting call to the conference	
Parameter values:	BC = speech	suring cam to the corner of the	
Comments:	<u> </u>	provided with CONF. User B and C are in network N2.	
	User A calls user B (with CRx). Aft	•	
		ends a FACILITY message including a Facility IE which	
		component indicating the call reference of the call to	
	be added (CRx).	component managemy and commone control control	
		A with a FACILITY message including a Facility IE	
		return result component in a Facility IE.	
		ssage with a Notification indicator IE indicating that the	
		erence ("Conference established").	
		(CRx) is in an Active-Held connection.	
		to user C. After the call establishment [in the (Active,	
		TY message to the network indicating the call reference	
		ding an AddCONF invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE		
	with an AddCONF return result component.		
		The network response with RELEASE COMPLETE.	
		ssage with a Notification indicator IE indicating that the	
		erence ("Conference established").	
	User B shall receive a NOTIFY me	ssage with a Notification indicator IE indicating that a	
	new remote user has been added to the conference ("Other party added").		
	To terminate the conference, the served user shall clear the connection to the network by		
	using the basic call clearing proced		
	On receiving the DISCONNECT message, the network shall make the conference		
	unavailable, i.e. all subsequent operations invoked for this conference by the user shall		
	be responded to with the appropriate return error component specifying "notActive" or		
	"IllConferenceId" depending on the operation requested. On sending or receiving the		
	RELEASE COMPLETE message associated with clearing the connection, the network		
		d with each remote user, and shall release the	
	Conferenceld associated with the	clearing of the connection. The ConferenceId shall be	
	available for re-use on other confe		
	·		

210904	ISDN reference to:	Other relevant references:	
210904		Other relevant references:	
		ETSI TS 183 036 [42], clause 5.2.4	
		Recommendation ITU-T Q.1912.5 [35], annex B.14	
		TSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_services	S/CONF/210904	
Selection criteria:	CONF		
Test purpose:	Ensure that user A can add an incom	ning call to the conference.	
Parameter values:	BC = speech		
Comments:		rovided with CONF. User B and C are in network N2.	
	User A calls user B (with CRx). After		
		nds a FACILITY message including a Facility IE which component indicating the call reference of the call to	
	be added (CRx).	omponent indicating the call reference of the call to	
	The network shall respond to user A which shall contain a BeginCONF ret	with a FACILITY message including a Facility IE	
		sage with a Notification indicator IE indicating that the	
		ives a SETUP (with CRy) message. User A answers	
	Active, Call Held state.	ates the call hold procedure, the call A-B is in the	
		Active, Idle) state] user A sends a FACILITY	
	message to the network indicating the	e call reference of the call to be added (CRy)	
		including an AddCONF invoke component.  The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE	
	with an AddCONF return result comp	ponent.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.		
	User C shall receive a NOTIFY mess user C has been added to the conference	sage with a Notification indicator IE indicating that the ence ("Conference established")	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). To terminate the conference, the served user shall clear the connection to the network by using the basic call clearing procedures.  On receiving the DISCONNECT message, the network shall make the conference		
		ations invoked for this conference by the user shall	
		be responded to with the appropriate return error component specifying "notActive" or	
		"IIIConferenceId" depending on the operation requested. On sending or receiving the	
		sociated with clearing the connection, the network	
		with each remote user, and shall release the	
		earing of the connection. The ConferenceId shall be	
	available for re-use on other conferer	nces.	
·			

210905	ISDN reference to:	Other relevant references:	
210903	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4	
	clause 9.2.2, annex A,	Recommendation ITU-T Q.1912.5 [35], annex B.14	
		L 3/	
TCC references	figures A.7-A.8	ETSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_service	;es/CONF/210905	
Selection criteria:	CONF		
Test purpose:	reattach user B.	a conference call with user B and user C and isolate and	
Parameter values:	BC = speech		
Comments:	The user A is in network N1 and is User A calls user B (with CRx). After the calls user B (with CRx).	s provided with CONF. User B and C are in network N2. ter the call establishment	
	[in the (Active, Idle) state] user A s	sends a FACILITY message including a Facility IE which component indicating the call reference of the call to	
		A with a FACILITY message including a Facility IE return result component in a Facility IE.	
		essage with a Notification indicator IE indicating that the ference ("Conference established").	
		(CRx) is in an Active-Held connection.	
		User A sends a SETUP message to user C. After the call establishment [ in the (Active,	
	Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component.		
		INECT message (with CRy) to user A with a Facility IE	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").  User A sends a FACILITY message with a Facility IE including an IsolateCONF invoke component to request the isolation of the remote user B. The network shall send a		
		FACILITY message with a Facility IE including an IsolateCONF return result component.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the		
	user B has been reattached to the conference ("other party reattached").		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that		
		ence("reattached").User A sends a FACILITY message	
		achCONF invoke component to request the	
		b. The network shall send a FACILITY message with a	
	Facility IE including a ReattachCO		

24,0000	ICDN reference to:	Oth or relevant references
210906	ISDN reference to:	Other relevant references:
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A, figure A.9	Recommendation ITU-T Q.1912.5 [35], annex B.14
		ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210906
Selection criteria:	CONF	
Test purpose:	Ensure that user A can establish a one party can be split.	conference call with user B and user C and verify that
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is User A calls user B (with CRx). Aft [in the (Active, Idle) state] user A shall contain a BeginCONF invoke be added (CRx).  The network shall respond to user which shall contain a BeginCONF User B shall receive a NOTIFY me user B has been added to the contail hold, the call (CRx) is in an Active, Idle) state] User A sends a SETUP message (Active, Idle) state] User A sends a reference of the call to be added (The network shall send a DISCON with an AddCONF return result courser A sends RELEASE for CRy. User C shall receive a NOTIFY me user C has been added to the contuser B shall receive a NOTIFY me new remote user has been added User A sends a SETUP message invoke component to request the structure of the call send a CALL PECONNECT message with a Splitc User C shall receive a NOTIFY me user B has been split from the contuser B shall receive a NOTIFY me user B has been split from the contuser B shall receive a NOTIFY me	ends a FACILITY message including a Facility IE which component indicating the call reference of the call to A with a FACILITY message including a Facility IE return result component in a Facility IE. essage with a Notification indicator IE indicating that the ference ("Conference established"). After initiating of tive-Held connection.  (CRy) to user C. After the call establishment [ in the a FACILITY message to the network indicating the call CRy) including an AddCONF invoke component.  INECT message (with CRy) to user A with a Facility IE mponent.  The network response with RELEASE COMPLETE. essage with a Notification indicator IE indicating that the ference ("Conference established").  Essage with a Notification indicator IE indicating that a to the conference ("Other party added"). including a Facility IE which shall contain SplitCONF explitting of the remote user B.  ROCEEDING:, ALERTING: without Channelid IE and a ONF return component.

210907	ISDN reference to: Other relevant references:	
210907	ETSI EN 300 185-1 [11], ETSI TS 183 036 [42], clause 5.2.4	
	clause 9.2.2, annex A,   Recommendation ITU-T Q.1912.5 [35], annex B.14	
	figures A.10-A.12   ETSI TS 129 163 [40], clause 7.4.14	
TCC reference:	ISDN-ISDN/Supplementary_services/CONF/210907	
TSS reference: Selection criteria:	CONF	
Test purpose:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
	Ensure that user A can establish a conference call with user B and user C. Verify that user B can be disconnected from user A (with a DropCONF invoke component in a	
	FACILITY message) from the conference and that user A can terminate the conference	
	using the basic call clear procedure.	
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
Comments.	User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to	
	be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE	
	which shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the	
	user B has been added to the conference ("Conference established"). After initiating of all hold, the call (CRx) is in an Active-Held connection.	
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an AddCONF invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE	
	with an AddCONF return result component.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").	
	User A sends a FACILITY message with a Facility IE including a DropCONF invoke	
	component to request to disconnect the remote user B.  The network shall send a FACILITY message with a Facility IE including a DropCONF	
	return result component. User B shall be disconnected from the call with the normal call clearing procedures.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been disconnected from the conference ("other party disconnected"). User A is	
	terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE.	
	User C shall be disconnected from the network with the normal call clearing procedures.	

210908	ISDN reference to:	Other relevant references:
2.0000	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A,	Recommendation ITU-T Q.1912.5 [35], annex B.14
	figures A.11-A.12	ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary service	
Selection criteria:	CONF	
Test purpose:		conference call with user B and user C. The remote nce and that user A can terminate the conference using
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). Aft	provided with CONF. User B is in network N2. er the call establishment ends a FACILITY message including a Facility IE which
	shall contain a BeginCONF invoke be added (CRx).	component indicating the call reference of the call to
	which shall contain a BeginCONF	A with a FACILITY message including a Facility IE return result component in a Facility IE.
		ssage with a Notification indicator IE indicating that the erence ("Conference established"). After initiating of tive-Held connection.
	(Active, Idle) state] user A sends a	(CRy) to user C. After the call establishment [ in the FACILITY message to the network indicating the call CRy) including an AddCONF invoke component.
		NECT message (with CRy) to user A with a Facility IE
	User C shall receive a NOTIFY me user C has been added to the conf	The network response with RELEASE COMPLETE. essage with a Notification indicator IE indicating that the ference ("Conference established").
	new remote user has been added	ssage with a Notification indicator IE indicating that a to the conference ("Other party added"). ssage, the network shall send to user A a FACILITY
	message with a Facility IE includin indicating the Partyld associated w	g a PartyDISC invoke component with a parameter rith the disconnected remote user.
	user B disconnected from the conf	essage with a Notification indicator IE indicating that the erence ("other remote user disconnected"). User A is g a DISCONNECT message, the network response
	with RELEASE and the user with F	
<u> </u>		J J

210909	ISDN reference to:	Other relevant references:						
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4						
	clause 9.2.2, annex A, figure A.2	Recommendation ITU-T Q.1912.5 [35], annex B.14						
		ETSI TS 129 163 [40], clause 7.4.14						
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210909						
Selection criteria:	CONF							
Test purpose:	The ISDN user B is in network N2 in network N2.	and is provided with CONF. The user A and user C are						
	Ensure that user A calls user B. Us state to user C.	ser B can establish a conference from the Active call						
Parameter values:	BC = speech							
Comments:	User A calls user B. After the call of	establishment						
		ends a FACILITY message including a Facility IE which component indicating the call reference of the call to						
	The network shall respond to user B with a FACILITY message including a Facility IE which shall contain a BeginCONF return result component in a Facility IE.							

#### 6.2.2.11 CFU

## 6.2.2.11.1 Signalling procedures at the coincident S and T reference point

#### 6.2.2.11.1.1 Signalling procedures between ISDN-ISDN

The combinations CFU ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS  $186\ 001-1\ [45]$ .

211101	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6									
		ETSI TS 129 163 [40], clause 7.4.6									
TSS reference:	ISDN-ISDN-ISDN/Supplementa	ry_services/CFU/211101									
Selection criteria:	The user A and the user C are i provided with CFU.	e user A and the user C are in network N1. The user B is in network N2 and is									
Test purpose:		user B, the call is forwarded to user C. Ensure that the rameters and Calling user information parameters are able 10.									
Parameter values:	BC = PIXIT, CF active										
Comments:											

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

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Table 10: Overview of Call Forwarding parameters when the served user and the forwarded to user have a S/T reference point

PIXIT Value	USER B and C have S/T Interfaces												
	Test number variable	1R (Note)	2	3	4	5R (Note)	6R (Note)	7	8R (Note)	9R (Note)	10	11	12
	Diverted-to user information parameters (User C)												
	Notification to the user in dependency of the combination of PIXIT value	TN&N	TN&N	TN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Subscription option: <b>Diverting</b> number is released to the diverted-to user: Yes	V	<b>V</b>	<b>V</b>	<b>V</b>					V	<b>V</b>	<b>V</b>	<b>\</b>
3	Subscription option: <b>Diverting</b> number is released to the diverted-to user: No					N	<mark>√</mark>	<b>V</b>	<mark>√</mark>				
4	Served user has CLIRp									√	<b>V</b>	V	<b>V</b>
5	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	V				<mark>√</mark>				V			
6	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		<b>V</b>				<mark>√</mark>				<b>V</b>		
7	Calling user has CLIRt (def=restricted) IE with PI=0			V				V				1	
8	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				<b>V</b>				<mark>√</mark>				<b>√</b>

PIXIT Value	Test number variable	1R (Note)	2	3	4	5R (Note)	6R (Note)	7	8R (Note)	9R (Note)	10	11	12
	Calling user information parameters (User A)						,						
	Notification to the user in dependency of the combination of PIXIT value User is notified of diversion and diverted-to number	TN&N	TN&N	TN&N	NTN&N	NTN&N	TN&N	TN&N	TN&N	NTN&N	NTN&N	TN&N	NTN&N
	COLP Number presented	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	Yes	No
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<mark>√</mark>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	V
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number												
11	Subscription option: Calling user is notified of diversion: No												
12	Served user has COLRp												
13	Diverted-to user has COLRp (empty IE) or COLRp (PI=1) or PI#2				<b>V</b>								
13a	Diverted-to user has COLRp (PI=0)					√							
14	Calling user has not COLP service						<mark>√</mark>						
15	Diverted-to user has COLRt (def=non-restricted) empty IE							<b>√</b>					
15a	Diverted-to user has COLRt (def=non-restricted) PI=0								<mark>√</mark>				
16	Diverted-to user has COLRt (def=non-restricted) IE with PI=1 or PI#2									<mark>√</mark>			
17	Diverted-to user has COLRt (def=restricted) empty IE										<b>√</b>		
17a	Diverted-to user has COLRt (def=restricted) IE with PI=0											<b>V</b>	
18	Diverted-to user has COLRt (def=restricted) empty IE or PI=1 or PI=2												V
19	Diverted-to user has not subscribed COLR (empty IE)												
20	Diverted-to user has not subscribed COLR with PI=0		<b>V</b>										
21	Diverted-to user has not subscribed COLR with PI=1			<b>V</b>									

PIXIT Value	Test number variable	13	14	15	16	17	18	19	20R (Note)	21	22	23	24
	Diverted-to user information parameters (User C)												
	Notification to the user in dependency of the combination of PIXIT value	TN&N	TN&N	TN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Subscription option: Diverting number is released to the diverted-to user: Yes	<b>V</b>	<b>V</b>	√	<b>V</b>					√	<b>√</b>	√	<b>V</b>
3	Subscription option: Diverting number is released to the diverted-to user: No					√	<b>V</b>	√	<mark>√</mark>				
4	Served user has CLIRp									V	<b>V</b>	√ √	<b>V</b>
5	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	<b>V</b>				√				<b>V</b>			
6	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		<b>V</b>				<b>V</b>				<b>V</b>		
7	Calling user has CLIRt (def=restricted) IE with PI=0			<b>V</b>				<b>√</b>				<b>V</b>	
8	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				√				<mark>√</mark>				<b>√</b>

PIXIT Value	Test number variable	13	14	15	16	17	18	19	20R (Note)	21	22	23	24
	Calling user information parameters (User A)												
	Notification to the user in dependency of the combination of PIXIT value  User is notified of diversion and diverted-to number	NTN&N	NTN&N		NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
	COLP Number presented	No	No	No	No	No	No	No	No	No	No	No	No
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number												
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number	1	√	<b>V</b>	<b>V</b>	1	<b>V</b>	<b>V</b>	<mark>√</mark>	<b>V</b>	√	<b>V</b>	٧
11	Subscription option: Calling user is notified of diversion: No												
12	Served user has COLRp												
13	Diverted-to user has COLRp (empty IE) or COLRp (PI=1) or PI#2				√								
13a	Diverted-to user has COLRp (PI=0)					<b>V</b>							
14	Calling user has not COLP service						V						
15	Diverted-to user has COLRt (def=non-restricted) empty IE							√					
15a	Diverted-to user has COLRt (def=non-restricted) PI=0								<mark>√</mark>				
16	Diverted-to user has COLRt (def=non-restricted) IE with PI=1 or PI#2									<b>√</b>			
17	Diverted-to user has COLRt (def=restricted) empty IE										<b>√</b>		
17a	Diverted-to user has COLRt (def=restricted) IE with PI=0											<b>V</b>	
18	Diverted-to user has COLRt (def=restricted) empty IE or PI=1 or PI=2												<b>V</b>
19	Diverted-to user has not subscribed COLR (empty IE)	√					<b>V</b>						
20	Diverted-to user has not subscribed COLR with PI=0		<b>V</b>										
21	Diverted-to user has not subscribed COLR with PI=1			<b>V</b>									

PIXIT Value	Test number variable	25R (Note)	26	27	28	29	30	31	32R (Note)	33	34	35	36
	Diverted-to user information parameters (User C)												
	Notification to the user in dependency of the combination of PIXIT value	TN&N	TN&N	TN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
	Subscription option: Diverting number is released to the diverted-to user: Yes	<mark>√</mark>	<b>V</b>	<b>V</b>	<b>V</b>					<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>
3	Subscription option: Diverting number is released to the diverted-to user: No					<b>V</b>	√	√	<mark>√</mark>				
4	Served user has CLIRp									<b>√</b>	<b>V</b>	<b>V</b>	<b>√</b>
5	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	<mark>√</mark>				<b>V</b>				1			
	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		V				<b>V</b>				√		
7	Calling user has CLIRt (def=restricted) IE with PI=0			<b>V</b>				√				<b>√</b>	
	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				<b>√</b>				<mark>√</mark>				<b>√</b>

PIXIT Value	Test number variable	25R (Note)	26	27	28	29	30	31	32R (Note)	33	34	35	36
	Calling user information parameters (User A)												
	Notification to the user in dependency of the combination of PIXIT value	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented	No	No	No	No	No	No	No	No	No	No	No	No
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number												
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number												
11	Subscription option: Calling user is notified of diversion: No	√	<b>√</b>	√	<b>√</b>	<b>√</b>	<b>V</b>	<b>√</b>	<mark>√</mark>	√	<b>V</b>	<b>√</b>	V
12	Served user has COLRp												
13	Diverted-to user has COLRp (empty IE) or COLRp (PI=1) or PI#2				<b>√</b>								
13a	Diverted-to user has COLRp (PI=0)					<b>√</b>							
14	Calling user has not COLP service						<b>V</b>						
15	Diverted-to user has COLRt (def=non-restricted) empty IE							<b>V</b>					
15a	Diverted-to user has COLRt (def=non-restricted) PI=0								<mark>√</mark>				
16	Diverted-to user has COLRt (def=non-restricted) IE with PI=1 or PI#2									<b>V</b>			
17	Diverted-to user has COLRt (def=restricted) empty IE										<b>V</b>		
17a	Diverted-to user has COLRt (def=restricted) IE with PI=0											<b>V</b>	
18	Diverted-to user has COLRt (def=restricted) empty IE or PI=1 or PI=2												<b>V</b>
19	Diverted-to user has not subscribed COLR (empty IE)	<mark>√</mark>					<b>V</b>						
20	Diverted-to user has not subscribed COLR with PI=0		1										
21	Diverted-to user has not subscribed COLR with PI=1			<b>V</b>									
NOTE:	The tests marked with R are recommended to	be used as	regression	or interop	perability te	sts.							

PIXIT Value	Test number variable	37	38	39	40	41	42	43	44 R (Note)	45	46	47	48
	Diverted-to user information parameters (User C)												
	Notification to the user in dependency of the combination of PIXIT value	TN&N	TN&N	TN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Subscription option: Diverting number is released to the diverted-to user: Yes	<b>V</b>	<b>√</b>	√	<b>V</b>					<b>√</b>	<b>V</b>	<b>√</b>	<b>V</b>
3	Subscription option: Diverting number is released to the diverted-to user: No					√	√	<b>V</b>	<b>√</b>				
4	Served user has CLIRp									√	√	<b>√</b>	<b>V</b>
5	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	<b>V</b>				<b>V</b>				<b>V</b>			
6	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		<b>V</b>				<b>√</b>				<b>V</b>		
7	Calling user has CLIRt (def=restricted) IE with PI=0			√				1				7	
8	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				√				<mark>√</mark>				<b>V</b>

PIXIT Value	Test number variable	37	38	39	40	41	42	43	44 R (Note)	45	46	47	48
	Calling user information parameters (User A)												
	Notification to the user in dependency of the combination of PIXIT value	NTN&N	NTN&N		NTN&N	NTN&N			NTN&N			NTN&N	
	COLP Number presented	No	No	No	No	No	No	No	No	No	No	No	No
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	√	<b>V</b>	√	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<mark>√</mark>	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number												
11	Subscription option: Calling user is notified of diversion: No												
12	Served user has COLRp	V	<b>√</b>	√	√	<b>√</b>	<b>√</b>	\ \	V	V	<b>V</b>	<b>√</b>	<b>√</b>
13	Diverted-to user has COLRp (empty IE) or COLRp (PI=1) or PI#2				<b>√</b>								
13a	Diverted-to user has COLRp (PI=0)					V							
14	Calling user has not COLP service						<b>V</b>						
15	Diverted-to user has COLRt (def=non-restricted) empty IE							<b>V</b>					
15a	Diverted-to user has COLRt (def=non-restricted) PI=0								√				
16	Diverted-to user has COLRt (def=non-restricted) IE with PI=1 or PI#2									<b>V</b>			
17	Diverted-to user has COLRt (def=restricted) empty IE										<b>V</b>		
18	Diverted-to user has COLRt (def=restricted) empty IE or PI=1 or PI=2												<b>V</b>
19	Diverted-to user has not subscribed COLR (empty IE)	√											
20	Diverted-to user has not subscribed COLR with PI=0		<b>V</b>										
21	Diverted-to user has not subscribed COLR with PI=1			<b>V</b>		1							
NOTE:	The tests marked with R are recommended to b	e used as	regression	or interop	perability te	ests.							

211102	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6					
		ETSI TS 129 163 [40], clause 7.4.6					
TSS reference:	SDN-ISDN-ISDN/Supplementary_services/CFU/211102						
ISDN selection criteria:							
Test purpose:	To verify that a call is released corn is busy.	rectly if CFU was not successful if the diverted-to user					
ISDN parameter values:	CFU active						
Comments:							

### 6.2.2.11.1.2 Signalling procedures between ISDN-ISDN-PSTN

211103	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6						
TSS reference:	ISDN-ISDN-PSTN/Supplementa	DN-ISDN-PSTN/Supplementary_services/CFU/211103						
Selection criteria:	The user A and the user C are i with CFU	n network N1. The user B is in network N2 and is provided						
Test purpose:		user B, the call is forwarded to user C. Ensure that the rameters and Calling user information parameters are the table 11.						
Parameter values:	BC = PIXIT, CF active							
Comments:								

Table 11: Overview of Call Forwarding parameters when the forwarding user has a S/T reference point, and the forwarded to user is a PSTN user

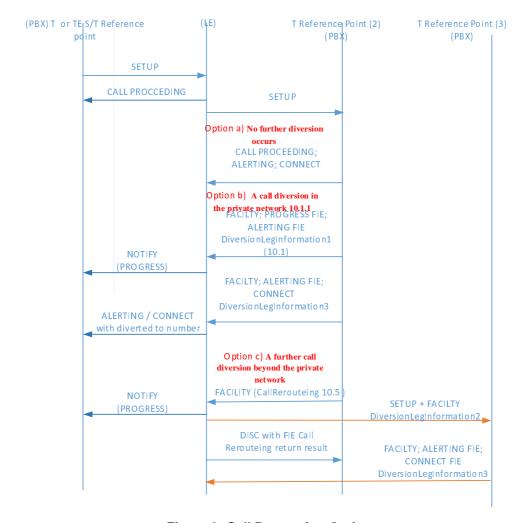
	USER C is a PSTN user												
PIXIT Value	Test number variable	1R (Note)	2R (Note)	3	4R (Note)	5	6R (Note)	7	8	9	10R (Note)	11	12
	Diverted-to user information parameters (User C)												
1	CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	√				<b>V</b>				٧			
3	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		<mark>√</mark>				V				<mark>ا</mark>		
4	Calling user has CLIRt (def=restricted) IE with PI=0			<b>\</b>				<b>V</b>				<b>✓</b>	
5	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				<b>√</b>				1				<b>V</b>
	Calling user information parameters (User A)												
	Notification to the user in dependency of the combination of PIXIT value User is notified of diversion and diverted-to number	NTN&N	NTN&N	NTN&N	TN&N	NTN&N	INTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented	No	No	No	Yes	No	No	No	No	No	No	No	No
6	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<mark>√</mark>	<mark>√</mark>	<b>V</b>	<mark>ا</mark>								
7	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number					<b>V</b>	<mark>√</mark>	<b>V</b>	<b>V</b>				
8	Subscription option: Calling user is notified of diversion: No									<b>V</b>	N	<b>V</b>	<b>V</b>
9	Served user has COLRp	√				<b>V</b>				<b>\</b>			
10	Diverted-to user has COLRp		√				<mark>√</mark>				√		
11	Calling user has not COLP service			<b>V</b>				V				<b>V</b>	
12	Diverted-to user has not subscribed COLR	√		<b>√</b>	V	√		√	√	<b>V</b>		√	√
NOTE:	The tests marked with R are recommended to be used	as regress	ion or int	eropera	bility test	s.							

211104	ISDN ref. to:	Other relevant references:						
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5						
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6						
		ETSI TS 129 163 [40], clause 7.4.6						
TSS reference:	ISDN-ISDN-PSTN/Supplementary_	SDN-ISDN-PSTN/Supplementary_services/CFU/211104						
ISDN selection criteria:								
Test purpose:	To verify that a call is released corr	rectly if CFU was not successful if the diverted-to user						
	is busy.	·						
ISDN parameter values:	CFU active							
Comments:								

#### 6.2.2.11.2 Procedures for interworking with private ISDNs

#### 6.2.2.11.2.0 Overview of the procedures for interworking with private ISDNs

The following clause gives an overview of the procedures for interworking with private ISDNs.



**Figure 3: Call Rerouteing Options** 

6.2.2.11.2.1 Procedures where a call from the public ISDN is diverted within or beyond the private ISDN and partial rerouteing takes place in the public ISDN

#### 6.2.2.11.2.1.1 The forwarding user and the forwarded to user have a T reference point

211105	ISDN ref. to:	Other relevant references:							
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5							
	clause 10.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.6							
TSS reference:	ISDN-ISDN-ISDN/Supplementar	ETSLTS 129 163 [40], clause 7.4.6							
Selection criteria:									
ocicotion cinena.	network N2 and is provided with	etwork N2 and is provided with rerouteing.							
Test purpose:	The forwarding user and the forwarded to user have a T reference point. The user network N2 and is provided with rerouteing.  User A calls user B. To request diversion by partial rerouteing, for a call presented the public network to the private network, the private network shall send a CallRero invoke component to the public network in a FACILITY message using the procedudescribed in clause 8.3.1 of ETSI EN 300 196-1 [26].  The private network shall send in case of CFU and CFB the Facility information elein a FACILITY message to the public network while in the Proceeding call state (US). The private network shall send in case of CFNR the Facility information element in FACILITY message to the public network while in the Call Received call state (UT). The public network acts on the call rerouteing invocation request from the private in (NT2) and performs rerouteing towards the indicated address (user C). Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are compatible with the SETUP message that established the call reference and correctly delivered to the forwarded user. In the table 12 are described the PIXIT Values type of number: calledAddress and lastRerouteingNr.  Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 13.  If a diverted call is presented from a public ISDN to the private ISDN, then the SET message sent from the public network to the private network shall contain a Facility information element including a DivertingLegInformation2 invoke component using procedure described in clause 8.3.1.1 of ETSI EN 300 196-1 [26].  In response to the DivertingLegInformation of the diverted-to number is allowed.								
D	FACILITY message sent to the p	DUDIIC NETWORK.							
Parameter values:	BC = PIXIT								
Comments:									

211106	ISDN ref. to:	Other relevant references:								
211100	ETSI EN 300 207-1 [12],									
	clauses 6.1, 9.2.2 and 9.2.5	ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6								
	Clauses 0.1, 9.2.2 and 9.2.5	ETSI TS 129 163 [40], clause 7.4.6								
TCC reference:	ICDN ICDN ICDN/Complements									
TSS reference:		DN-ISDN/Supplementary_services/rerouteing/211106								
Selection criteria:		e forwarding user and the forwarded to user have a T reference point. The user B is in								
_										
Test purpose:	User A calls user B. To request diversion by partial rerouteing, for a call presente the public network to the private network, the private network shall send a CallRe invoke component to the public network in a FACILITY message using the proceed described in clause 8.3.1 of ETSI EN 300 196-1 [26].  The private network shall send in case of CFU and CFB the Facility information e in a FACILITY message to the public network while in the Proceeding call state (Uthe Overlap Receiving call state (U25).  The private network shall send in case of CFNR the Facility information element in FACILITY message to the public network while in the Call Received call state (U77).  The public network acts on the call rerouteing invocation request from the private (NT2) and performs rerouteing towards the indicated address (user C).  Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC UUS 1) and calling party subaddress are compatible with the SETUP message the established the call reference and correctly delivered to the forwarded user. In the table 12 are described the PIXIT Values type of number: calledAddress and lastRerouteingNr.  Ensure that the Diverted-to user information parameters and Calling user informat parameters are correctly mapped according to the table 13.									
	information element including a Diprocedure described in clause 8.3.	vertingLegInformation2 invoke component using the 1.1 of ETSI EN 300 196-1 [26].								
		ormation2 invoke component, and when the private								
		presentation of the diverted-to number is allowed or not,								
		DivertingLegInformation3 invoke component in the								
	ALERTING message sent to the public network.									
Parameter values:	BC = PIXIT, CF active									
Comments:	20 = 1 1/41, 01 404/0									
Comments.										

211107	ISDN ref. to:	Other relevant references:								
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5								
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6								
	,	ETSI TS 129 163 [40], clause 7.4.6								
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/211107								
Selection criteria:	The forwarding user and the forward	rded to user have a T reference point. The user B is in								
	network N2 and is provided with re	twork N2 and is provided with rerouteing.								
Test purpose:	the public network to the private ne invoke component to the public net described in clause 8.3.1 of ETSI E									
	in a FACILITY message to the pub the Overlap Receiving call state (U									
		ease of CFNR the Facility information element in a etwork while in the Call Received call state (U7).								
	The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).									
	UUS 1) and calling party subaddresestablished the call reference and	he q931InfoElement parameter (BC, LLC, HLC; ss are compatible with the SETUP message that correctly delivered to the forwarded user. In the alues type of number: calledAddress and								
	Ensure that the Diverted-to user integrameters are correctly mapped a	formation parameters and Calling user information according to the table 13.								
	If a diverted call is presented from a public ISDN to the private ISDN, then the SETUP message sent from the public network to the private network shall contain a Facility information element including a DivertingLegInformation2 invoke component using the procedure described in clause 8.3.1.1 of ETSI EN 300 196-1 [26].									
	In response to the DivertingLegInformation2 invoke component, and when the private network has determined whether presentation of the diverted-to number is allowed or not, the private network shall include a DivertingLegInformation3 invoke component in the CONNECT message sent to the public network.									
Parameter values:	BC = PIXIT									
Comments:										

Table 12: Type of number PIXIT Values: calledAddress and lastRerouteingNr

PIXIT VALUE	calledAddress	lastRerouteingNr
	publicPartyNumber [1] IMPLICIT -	publicPartyNumber [1] IMPLICIT -
	PublicPartyNumber	PublicPartyNumber
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All co	mbinations implied.	

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

Table 13: Overview of Call Rerouteing parameters for End-to End tests when the forwarding user and the forwarded to user have a T reference point

PIXIT	Test number variable	1R	2R	3	4R	5	6R	7	8	9
Value		(Note 2)	(Note 2)		(Note 2)		(Note 2)			
	Diverted-to user information parameters (User C)									
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N	NTN&N
	The original called number presented	Yes	Yes	Yes	Yes	Yes	No	No	No	No
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	Yes	Yes	No	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	√	√	√	√	√				
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>						√	<b>√</b>	<b>V</b>	V
3	Served user facility - lastRerouteingNr: "presentationAllowedNumber"	√				√				
4	Served user facility - lastRerouteingNr: "presentationRestricted"		√					V		
5	Served user facility - lastRerouteingNr: "numberNotAvailableDueToInterworking"			√					<b>V</b>	
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"				√					
7	Served user has CLIRp					$\sqrt{}$				
8	Calling user has CLIRt (def=restricted) IE with PI=0	√	√		√	$\sqrt{}$				
9	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2								$\sqrt{}$	

PIXIT	Test number variable	1R	2R	3	4R	5	6R	7	8	9
Value		(Note 2)	(Note 2)		(Note 2)		(Note 2)			
	Calling user information parameters (User A)									
	Notification to the user A in dependency of the combination of	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	PIXIT value									
	COLP Number presented (ETSI EN 300 207-1 [12])	Yes	No	No	No	No	No	No	No	No
	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<mark>√</mark>	√	V	√	V	√	√	$\sqrt{}$	√
11	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
12	Subscription option: Calling user is notified of diversion: No									
13	Served user - subscriptionOption parameter:	_ <mark>√</mark>	√	<b>√</b>						
	"calling user is notified of diversion" notificationWithDivertedToNr	_								
14	Served user has COLRp									
15	Served user - subscriptionOption parameter:				√	√				
	"calling user is notified of diversion" notificationWithoutDivertedToNr				_					
16	Served user - noNotification (0)						√	√		V
17	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	<mark>√</mark>					<mark>√</mark>			
18	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		<mark>√</mark>					√		
19	Diverted-to user presentationAllowedIndicator:					$\sqrt{}$			$\sqrt{}$	√
	not available, has not received a DivertingLegInformation3									
20	Diverted-to user has COLRp									
21	Diverted-to user has COLRt (def=present) empty IE or PI=0	√	√	√	√	√	√	√	$\checkmark$	√
		Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2									
23	Diverted-to user has COLRt (def=restrict) IE with PI=0	√	√	√	√	√	√	√	√	√
		Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
24	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2		ļ			ļ	,	,	,	
25	Diverted-to user has not subscribed COLR	√	√ √	√	√ √	√ √	√	√ √	√	<b>√</b>
		Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1

PIXIT Value	Test number variable	10	11	12	13	14R (Note 2)	15R (Note 2)	16	17	18
	Diverted-to user information parameters (User C)									
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N	NTN&N
	The original called number presented	Yes	Yes	Yes	Yes	Yes	No	No	No	No
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	Yes	Yes	No	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>	√				
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>						√	<b>V</b>	<b>V</b>	V
3	Served user facility - lastRerouteingNr: "presentationAllowedNumber"	<b>V</b>					√			
4	Served user facility - lastRerouteingNr: "presentationRestricted"		<b>V</b>					<b>√</b>		
5	Served user facility - lastRerouteingNr: "numberNotAvailableDueToInterworking"			<b>V</b>					<b>V</b>	
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"				<b>√</b>					V
7	Served user has CLIRp					√				
8	Calling user has CLIRt (def=restricted) IE with PI=0	<b>V</b>	V	V	V	√				
9	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2						√	<b>√</b>	<b>V</b>	V

PIXIT Value	Test number variable	10	11	12	13	14R	15R	16	17	18
value	Calling user information parameters (User A)					(Note 2)	(Note 2)			
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented (ETSI EN 300 207-1 [12])	No	No	No	No	No	No	No	No	No
10	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<mark>√</mark>	V	<b>√</b>	<b>√</b>	<b>√</b>
11	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
12	Subscription option: Calling user is notified of diversion: No									
13	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	<b>V</b>	<b>V</b>	<b>V</b>						
14	Served user has COLRp									
15	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				<b>V</b>	<mark>√</mark>	V			
16	Served user - noNotification (0)							<b>V</b>	<b>√</b>	<b>V</b>
17	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	<b>V</b>			<b>V</b>			<b>V</b>		
18	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		V			√			V	
19	<b>Diverted-to user</b> presentationAllowedIndicator: not available, has not received a DivertingLegInformation3 invoke component			<b>V</b>			<mark>√</mark>			√
20	Diverted-to user has COLRp	√ Note 1	√ Note 1	√ Note 1	√ Note 1	√ Note 1				
21	Diverted-to user has COLRt (def=present) empty IE or PI=0									
22	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√ Note 1	√ Note 1	√ Note 1	√ Note 1	√ Note 1				
23	Diverted-to user has COLRt (def=restrict) IE with PI=0									
24	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note 1	√ Note 1	√ Note 1	√ Note 1	√ Note 1				
25	Diverted-to user has not subscribed COLR									

PIXIT Value	Test number variable	19R (Note 2)	20	21	24	25	26	27
	Diverted-to user information parameters (User C)							
	Notification to the user C in dependency of the combination of PIXIT value	NTN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N
	The original called number presented	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CLI presented to user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	<mark>√</mark>	<b>V</b>	<b>V</b>	<b>√</b>	<b>√</b>	<b>V</b>	<b>√</b>
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>							
3	Served user - lastRerouteingNr: "presentationAllowedNumber"	<mark>√</mark>	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>	<b>V</b>	<b>√</b>
4	Served user - lastRerouteingNr: "presentationRestricted"							
5	Served user - lastRerouteingNr: "numberNotAvailableDueToInterworking"							
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"							
7	Served user has CLIRp	_ <mark>√</mark>						
8	Served user has CLIRt (presentation allowed)		V	V	V	V	V	V
9	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2							

PIXIT Value	Test number variable	19R	20	21	22	23	24	25	26	27
value	Calling user information parameters (User A)	(Note 2)								
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented	No								
10	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number									
11	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
12	Subscription option: Calling user is notified of diversion: No	V	<b>V</b>	V	<b>V</b>	<b>V</b>	V	V	V	<b>V</b>
13	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	N	<b>V</b>	<b>√</b>						
14	Served user has COLRp									
15	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				V	<b>V</b>	<b>V</b>			
16	Served user - noNotification (0)							V	V	V
17	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	V			V			V	,	,
18	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		<b>√</b>			<b>V</b>		·	V	
19	Diverted-to user presentationAllowedIndicator: not available, has not received a DivertingLegInformation3			V			<b>V</b>			<b>V</b>
20	Diverted-to user has COLRp	√ Note 1								
21	Diverted-to user has COLRt (def=present) empty IE or PI=0									
22	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√ Note 1								
23	Diverted-to user has COLRt (def=restrict) IE with PI=0									
24	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note 1								
25	Diverted-to user has not subscribed									

NOTE 1: One of the following options are possible.

NOTE 2: The tests marked with R are recommended to be used as regression or interoperability tests.

PIXIT Value	Test number variable	28R	29	30	31	32	33	34	35	36
value	Diverted-to user information parameters (User C)									
	Notification to the user C in dependency of the combination of PIXIT value	NTN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N
	The original called number presented	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	CLI presented to user	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	<b>V</b>	<b>V</b>	<b>\</b>	<b>V</b>	√	<b>V</b>	<b>√</b>	<b>V</b>	<b>√</b>
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>									
3	Served user - lastRerouteingNr: "presentationAllowedNumber"	V	<b>√</b>	V	√	V	V	V	V	$\vee$
4	Served user - lastRerouteingNr: "presentationRestricted"									
5	Served user - lastRerouteingNr: "numberNotAvailableDueToInterworking"									
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"									
7	Served user has CLIRp	<b>V</b>								
8	Served user has CLIRt (presentation allowed)		<b>√</b>	V	<b>V</b>	1	V	V	V	$\vee$
9	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2									

PIXIT Value	Test number variable	28	29	30	31	32	33	34	35	36
	Calling user information parameters (User A)									
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented	No								
10	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>√</b>	√	<b>√</b>	√	<b>√</b>	√	<b>V</b>	1	V
11	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
12	Subscription option: Calling user is notified of diversion: No									
13	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	<b>√</b>	<b>√</b>	<b>√</b>						
14	Served user has COLRp	V	V	<b>V</b>	V	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>	<b>V</b>
15	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				<b>V</b>	<b>V</b>	<b>V</b>			
16	Served user - noNotification (0)							<b>V</b>	<b>V</b>	V
17	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	V			V			<b>V</b>		
18	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		V			1			<b>√</b>	
19	Diverted-to user presentationAllowedIndicator: not available, has not received a DivertingLegInformation3			<b>√</b>			√			V
20	Diverted-to user has COLRp									
21	Diverted-to user has COLRt (def=present) empty IE or PI=0	√ Note								
22	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2									
23	Diverted-to user has COLRt (def=restrict) IE with PI=0	√ Note								
24	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2									
25	Diverted-to user has not subscribed	√ Note								
NOTE:	One of the following options are possible.							<u>-</u>		

# 6.2.2.11.2.1.2 The forwarding user has a T reference point, the forwarded-to-user has a S/T reference point

211108	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
	,	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/211108
Selection criteria:		nce point, the forwarded-to-user has a S/T reference
	point. The user B is in network N2	
Test purpose:		ersion by partial rerouteing, for a call presented from
		twork, the private network shall send a
	CallRerouteing invoke component the procedure described in clause	to the public network in a FACILITY message using 8.3.1 of ETSI EN 300 196-1 [26].
		ase of CFU and CFB the Facility information element
		lic network while in the Proceeding call state (U9) or
	in the Overlap Receiving call state	(U25).
		ase of CFNR the Facility information element in a
	FACILITY message to the public no	etwork while in the Call Received call state (U7).
	The public network acts on the call	rerouteing invocation request from the private
	network (NT2) and performs rerout	eing towards the indicated address (user C).
	Ensure that the contents of the in the	ne q931InfoElement parameter (BC, LLC, HLC,
	UUS 1) and calling party subaddres	ss are compatible with the SETUP message that
		corretlly delivered to the forwarded user. In the
		alues type of number: calledAddress and
	lastRerouteingNr.	
		formation parameters and Calling user information
	parameters are correctly mapped a	according to the table 15.
Parameter values:	BC = PIXIT, CF active	
Comments:		

Table 14: Type of number PIXIT Values: calledAddress and lastRerouteingNr

PIXIT	calledAddress	lastRerouteingNr
VALUE	publicPartyNumber [1] IMPLICIT -	publicPartyNumber [1] IMPLICIT -
	PublicPartyNumber	PublicPartyNumber
1	unknown (0),	unknown (0),
2	internationalNumber (1),	internationalNumber (1),
3	nationalNumber (2),	nationalNumber (2),
4	networkSpecificNumber (3),	networkSpecificNumber (3),
5	subscriberNumber (4),	subscriberNumber (4),
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE:	All combinations implied.	

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

Table 15: Overview of Call Rerouteing parameters when the forwarding user has a T reference point, the diverted-to user the S/T Interface

PIXIT Value	Test number variable	1	2	3	4	5	6	7	8	9	10
	Diverted-to user information parameters (User C)										
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	TN&N	TN&N	TN&N	NTN&N
	CLI presented to user	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	<b>V</b>	V	V	<b>√</b>	٧	V	<b>\</b>	<b>\</b>		
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>									٧	<b>V</b>
3	Served user - lastRerouteingNr: "presentationAllowedNumber"	<b>V</b>					<b>V</b>	<b>\</b>	<b>\</b>	٧	
4	Served user - lastRerouteingNr: "presentationRestricted"		V								<b>V</b>
5	Served user - lastRerouteingNr: "numberNotAvailableDueToInterworking"			<b>\</b>							
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"				V						
7	Served user has CLIRp					V	V				
8	Served user has CLIRt (presentation allowed)	√	<b>√</b>	<b>√</b>	<b>√</b>			V	V	<b>V</b>	<b>√</b>

PIXIT Value	Test number variable	1	2	3	4	5	6	7	8	9	10
value	Calling user information parameters (User A)										
	Notification to the user A in dependency of the combination of PIXIT value (the presentation of the COLP follows the diverted to user behaviour)	TN&N	NTN&N	NTN&NN	TN&N	NTN&N	NTN&NN	TN&NN	NTN&N	NTN&NN	NTN&NN
	COLP Number presented	Yes	No								
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>V</b>	<b>√</b>	<b>√</b>							
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number				٧	V	<b>√</b>				
11	Subscription option: Calling user is notified of diversion: No							V	V	V	V
12	Served user has COLRp										
13	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	<b>V</b>			<b>√</b>			<b>√</b>			
14	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr		V			٧			٧		
15	Served user - noNotification (0)			<b>V</b>			V			<b>V</b>	<b>V</b>
16	Diverted-to user has COLRp										
17	Diverted-to user has COLRt (def=present) empty IE or PI=0	√ Note									
18	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2										
19	Diverted-to user has COLRt (def=restrict) IE with PI=0	√ Note									
20	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2										
21	Diverted-to user has not subscribed COLR	√ Note									
NOTE:	One of the following options are possible.		•					•			

PIXIT	Test number variable	11	12	13	14	15	16	17	18	19
Value										
	Diverted-to user information parameters (User C)									
	Notification to the user C in dependency of the combination of PIXIT	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N	TN&N
	value									
	CLI presented to user	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Subscription option: Diverting number is released to the diverted-to user: Yes	<b>√</b>	V	V	V	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	V
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>									
3	Served user - lastRerouteingNr: "presentationAllowedNumber"	<b>√</b>	V	V	V	V	V	V	<b>V</b>	V
4	Served user - lastRerouteingNr: "presentationRestricted"									
5	Served user - lastRerouteingNr: "numberNotAvailableDueToInterworking"									
6	Served user - lastRerouteingNr: "presentationRestrictedNumber"									
7	Served user has CLIRp									
8	Served user has CLIRt									

PIXIT Value	Test number variable	11	12	13	14	15	16	17	18	19
value	Calling user information parameters (User A)									
	Notification to the user A in dependency of the combination of PIXIT	NTN&N	NTN&N	NTN&NN	NTN&N	NTN&N	NTN&NN	NTN&N	NTN&NN	NTN&NN
	value									
	COLP Number presented	No								
9	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	\ \	√	<b> </b>						
10	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number				<b>V</b>	<b>√</b>	<b>V</b>			
11	Subscription option: Calling user is notified of diversion: No							V	V	<b>V</b>
12	Served user has COLRp									
13	Served user - subscriptionOption parameter:	V			V			V		
	"calling user is notified of diversion" notificationWithDivertedToNr									
14	Served user - subscriptionOption parameter:		V			V			V	
	"calling user is notified of diversion" notificationWithoutDivertedToNr									
15	Served user - noNotification (0)			<b>V</b>			<b>V</b>			<b>V</b>
16	Diverted-to user has COLRp	<b>V</b>	V	<b>V</b>	V	V	<b>V</b>	V	V	<b>V</b>
	'	Note								
17	Diverted-to user has COLRt (def=present) empty IE or PI=0									
18		<b>V</b>	V	<b>V</b>	V	V	<b>V</b>	V	V	<b>V</b>
	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	Note								
19	Diverted-to user has COLRt (def=restrict) IE with PI=0									
20	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note								
21	Diverted-to user has not subscribed COLR									
NOTE:	One of the following options are possible.									

# 6.2.2.11.2.1.3 The forwarding user has a S/T reference point, the forwarded-to-user has a T reference point

211109	ISDN ref. to:	Other relevant references:						
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5						
	clause 10.5.1	Recommendation ITU-T Q.1912.5 [35], annex B.6						
		ETSI TS 129 163 [40], clause 7.4.6						
TSS reference:	ISDN-ISDN-ISDN/Supplementary_							
Selection criteria:		erence point and the forwarded to user has a						
	T reference point. The user B is in	network N2 and is provided with CFU.						
Test purpose:	User A calls user B which has an a	ctive CFU to user C which has a T reference point.						
	Ensure that the Diverted-to user inf	formation parameters and Calling user information						
	parameters are correctly mapped a	ccording to the table 16.						
	In response to the DivertingLegInfo	ormation2 invoke component, and when the private						
	network has determined whether p	resentation of the diverted-to number is allowed or not,						
	the private network shall include a	DivertingLegInformation3						
		nt in the FACILITY message sent to the public network.						
Parameter values:	BC = PIXIT							
Comments:								

	T	
211110	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementa	ary_services/rerouteing/211110
Selection criteria:		reference point and the forwarded to user has a in network N2 and is provided with CFU.
Test purpose:	A calls user B which has an act	diversion by partial rerouteing, for a call presented User ive CFU to user C which has a T reference point. r information parameters and Calling user information ed according to the table 16.
	network has determined whether not, the private network shall in	Information2 invoke component, and when the private er presentation of the diverted-to number is allowed or clude a DivertingLegInformation3 TING message sent to the public network.
Parameter values:	BC = PIXIT, CF active	
Comments:		

211111 ISDN ref. to: Other relevant references: ETSI EN 300 207-1 [12], Clauses 6.1, 9.2.2 and 9.2.5 Recommendation ITU-T Q.1912.5 [35], an ETSI TS 129 163 [40], clause 7.4.6							
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services//rerouteing/211111					
Selection criteria:		ference point and the forwarded to user has a network N2 and is provided with CFU.					
Test purpose:	Ensure that the Diverted-to user in parameters are correctly mapped and in response to the DivertingLegInfornetwork has determined whether puthe private network shall include a	ormation2 invoke component, and when the private resentation of the diverted-to number is allowed or not,					
Parameter values:	BC = PIXIT						
Comments:							

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

Table 16: Overview of Call Rerouteing parameters for End-to End tests when the forwarding user has a S/T reference point and the forwarded to user have a T reference point

PIXIT Value	Test number variable	1	2	3	4	5	6
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: <b>Yes</b>	<b>√</b>		<b>√</b>	<b>√</b>		<b>√</b>
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>		<b>√</b>			<b>V</b>	
4	Served user has CLIRp		<b>√</b>	V		V	<b>V</b>
5	Calling user has CLIRt (def=restricted) IE with PI=0	√	<b>√</b>	V			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V	V	1

PIXIT Value	Test number variable	1	2	3	4	5	6
value	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
	COLP Number presented (ETSI EN 300 207-1 [12])	Yes	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>V</b>	<b>V</b>	٧	<b>V</b>	<b>V</b>	<b>V</b>
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number						
9	Subscription option: Calling user is notified of diversion: No						
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	√			V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		V			V	
13	Diverted-to user presentationAllowedIndicator: not available, has not received a DivertingLegInformation3			٧			<b>V</b>
14	Diverted-to user has COLRp						
15	Diverted-to user has COLRt (def=present) empty IE or PI=0	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2						
17	Diverted-to user has COLRt (def=restrict) IE with PI=0	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2						
19	Diverted-to user has not subscribed COLR	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
NOTE:	One of the following options are possible.	•	-	•	•	•	•

PIXIT	Test number variable	7	8	9	10	11	12
Value							
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: Yes	√		V	V		V
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>		V			V	
4	Served user has CLIRp		V	V		V	V
5	Calling user has CLIRt (def=restricted) IE with PI=0	V	V	V			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V	V	V

PIXIT	Test number variable	7	8	9	10	11	12
Value							
	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
	COLP Number presented (ETSI EN 300 207-1 [12])	No	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	V	√	V	V	V	√
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number						
9	Subscription option: Calling user is notified of diversion: No						
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	V			V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		√			V	
13	Diverted-to user presentationAllowedIndicator:			√			√
	not available, has not received a DivertingLegInformation3						
14	Diverted-to user has COLRp	√	√	√	√	√	√
		Note	Note	Note	Note	Note	Note
15	Diverted-to user has COLRt (def=present) empty IE or PI=0						
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√	√	V	V	V	V
		Note	Note	Note	Note	Note	Note
17	Diverted-to user has COLRt (def=restrict) IE with PI=0						
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
19	Diverted-to user has not subscribed COLR						

PIXIT	Test number variable	13	14	15	16	17	18
Value							
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: Yes	V		<b>√</b>	<b>√</b>		V
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>		V			V	
4	Served user has CLIRp		V	<b>√</b>		V	V
5	Calling user has CLIRt (def=restricted) IE with PI=0	V	V	<b>√</b>			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				<b>√</b>	√	V

PIXIT	Test number variable	13	14	15	16	17	18
Value							
	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	Yes	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
	COLP Number presented (ETSI EN 300 207-1 [12])	Yes	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number						
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number	V	V	V	V	V	$\checkmark$
9	Subscription option: Calling user is notified of diversion: No						
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	<b>V</b>			V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		V			V	
13	Diverted-to user presentationAllowedIndicator: not available, has not received a DivertingLegInformation3			<b>√</b>			<b>\</b>
14	Diverted-to user has COLRp						
15	Diverted-to user has COLRt (def=present) empty IE or PI=0	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2						
17	Diverted-to user has COLRt (def=restrict) IE with PI=0	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2						
19	Diverted-to user has not subscribed COLR	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note

PIXIT	Test number variable	19	20	21	22	23	24
Value							
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user	Yes	Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: Yes	V		V	V		V
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>		V			<b>V</b>	
4	Served user has CLIRp		V	V		<b>V</b>	V
5	Calling user has CLIRt (def=restricted) IE with PI=0	V	V	V			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V	<b>V</b>	V

PIXIT	Test number variable	19	20	21	22	23	24
Value							
	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	Yes	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
	COLP Number presented (ETSI EN 300 207-1 [12])	No	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number						
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number	<b>V</b>	V	V	V	V	
9	Subscription option: Calling user is notified of diversion: No						
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)	<b>V</b>			V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		V			V	
13	Diverted-to user presentationAllowedIndicator:			<b>V</b>			$\checkmark$
	not available, has not received a DivertingLegInformation3						
14	Diverted-to user has COLRp	√	√	√	√	V	√
		Note	Note	Note	Note	Note	Note
15	Diverted-to user has COLRt (def=present) empty IE or PI=0						
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√	√	√	√	√	√
		Note	Note	Note	Note	Note	Note
17	Diverted-to user has COLRt (def=restrict) IE with PI=0						
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note	√ Note	√ Note	√ Note	√ Note	√ Note
19	Diverted-to user has not subscribed COLR						

PIXIT	Test number variable	25	26	27	28	29	30
Value							
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user		Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: Yes	√		V	V		V
2	Subscription option: Diverting number is released to the diverted-to user: No		V			V	
4	4 Served user has CLIRp		V	V		V	V
5	Calling user has CLIRt (def=restricted) IE with PI=0		V	V			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V	V	V

PIXIT	Test number variable		26	27	28	29	30
Value							
	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented (ETSI EN 300 207-1 [12])	No	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number						
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number						
9	Subscription option: Calling user is notified of diversion: No	V	<b>√</b>	<b>V</b>	V	V	V
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)				V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		<b>√</b>			V	
13	Diverted-to user presentationAllowedIndicator:			V			<b>√</b>
	not available, has not received a DivertingLegInformation3						
14	Diverted-to user has COLRp						
15	Diverted-to user has COLRt (def=present) empty IE or PI=0	<b>√</b>	$\checkmark$	V	V	<b>√</b>	<b>√</b>
	Diverted-to user has COERT (del=present) empty in or F1=0	Note	Note	Note	Note	Note	Note
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2						
17	Diverted-to user has COLRt (def=restrict) IE with PI=0	V	√	V	V	V	√
	Diverteu-to user has COLINI (uer=restrict) IE with F1=0	Note	Note	Note	Note	Note	Note
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2						
19	Diverted-to user has not subscribed COLR	√	√	√	√ √	√	√
		Note	Note	Note	Note	Note	Note

PIXIT	Test number variable	25	26	27	28	29	30
Value							
	Diverted-to user information parameters (User C)						
	Notification to the user C in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N
	Calling CLI presented to diverted-to user		Yes	Yes	No	No	No
1	Subscription option: Diverting number is released to the diverted-to user: Yes	V		<b>√</b>	V		V
2	Subscription option: Diverting number is released to the diverted-to user: <b>No</b>		V			V	
4	4 Served user has CLIRp		V	<b>√</b>		V	V
5	5 Calling user has CLIRt (def=restricted) IE with PI=0		V	<b>√</b>			
6	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V	V	V

PIXIT	Test number variable	25	26	27	28	29	30
Value							
	Calling user information parameters (User A)						
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&NN	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented (ETSI EN 300 207-1 [12])	No	No	No	No	No	No
7	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number						
8	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number						
9	Subscription option: Calling user is notified of diversion: No	V	√	V	V	V	<b>√</b>
10	Served user has COLRp				V		
11	Diverted-to user presentationAllowedIndicator: TRUE (Boolean)				V		
12	Diverted-to user presentationAllowedIndicator: FALSE (Boolean)		√			V	
	Diverted-to user presentationAllowedIndicator:			V			√
	not available, has not received a DivertingLegInformation3						
14	Diverted-to user has COLRp	√	√	V	√	√	√
		Note	Note	Note	Note	Note	Note
15	Diverted-to user has COLRt (def=present) empty IE or PI=0						
16	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√	√	√	√	√	<b>√</b>
	Diverted to does has oothy (des-present) it with 1 = 1 or 1 1 = 2	Note	Note	Note	Note	Note	Note
	Diverted-to user has COLRt (def=restrict) IE with PI=0						
18	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√	√	√	√	√	√
19	Diverted-to user has not subscribed COLR	Note	Note	Note	Note	Note	Note

211112	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/TC211112
Selection criteria:	Call Rerouteing.	
Test purpose:	the public network to the private neinvoke component to the public net described in clause 8.3.1 of ETSI ETHE private network shall send in c in a FACILITY message to the public New Private network shall send in c The private network shall send in c FACILITY message to the public new The public network acts on the call (NT2) and performs rerouteing town	ase of CFU and CFB the Facility information element lic network while in the Proceeding call state (U9) or in
ISDN parameter values:		
Comments:		

	1	
211113	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/211113
Selection criteria:	Call Rerouteing.	
Test purpose:		rersion by partial rerouteing, for a call presented from etwork, the private network shall send a CallRerouteing
		twork in a FACILITY message using the procedure
		ase of CFU and CFB the Facility information element lic network while in the Proceeding call state (U9) or in 25).
	The private network shall send in c	ease of CFNR the Facility information element in a etwork while in the Call Received call state (U7).
	•	rerouteing invocation request from the private network ards the indicated address (user C).
	Ensure that in the case when the u	ser C in busy, the call is released correctly.
ISDN parameter values:		
Comments:		

#### 6.2.2.11.2.2 Presentation of a diverted call from a private ISDN to the public ISDN

#### 6.2.2.11.2.2.1 Global overview

The following clause gives a general overview where a diverted call from a private ISDN is diverted-to the public ISDN.

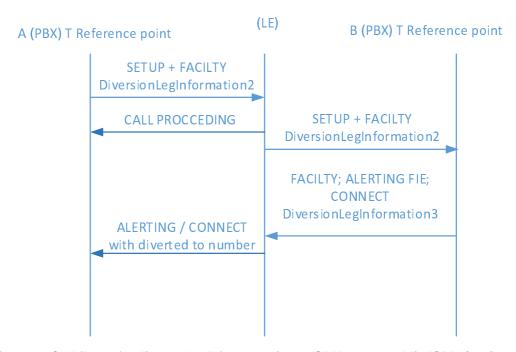


Figure 4: Call flow of a diverted call from a private ISDN to the public ISDN (option a)

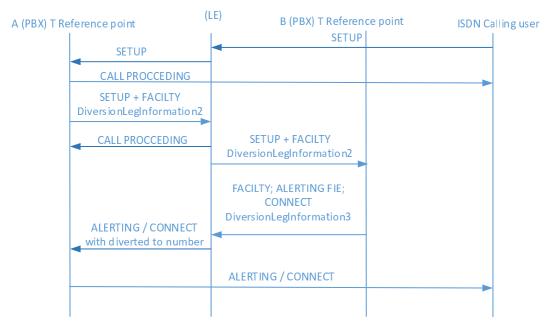


Figure 5: Call flow of a diverted call from a private ISDN to the public ISDN (option b)

### 6.2.2.11.2.2.2 Forwarding user and the forwarded-to user have a T reference point

211114	ISDN ref. to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6			
		ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/TC211114			
Selection criteria:	Forwarding user and the forwarded	d-to user have a T reference point.			
Test purpose:	message sent from the private net- information element including a Div- procedure described in clause 8.3.  The type of number PIXIT parameter Ensure that the IUT in the Null call	state N00, on receipt of a SETUP message containing component in the Facility information element, ne calling side and delivers the			
	If the FACILITY message is returned with a DivertingLegInformation3 that presentationAllowedIndicator parameter if presentation of the diverted-to number to the calling user is allowed, the information shall be delivered to depending of the settings of the network.				
	Ensure that the Diverted-to user in parameters are correctly mapped a	formation parameters and Calling user information according to the table 18.			

Table 17: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr	originalCalledNr
1	unknown (0),	unknown (0),
2	internationalNumber (1),	internationalNumber (1),
3	nationalNumber (2),	nationalNumber (2),
4	networkSpecificNumber (3),	networkSpecificNumber (3),
5	subscriberNumber (4),	subscriberNumber (4),
6	abbreviatedNumber (6).	abbreviatedNumber (6).
NOTE:	All combinations implied.	

Table 18: Overview of Call Rerouteing parameters when the forwarding user has a T reference point, the diverted-to user the T Interface

PIXIT	Test number variable	1	2	3	4	5	6	7	8	9
Value	Calling user information parameters									
	(User A)									
	Notification to the user B in dependency of the combination of PIXIT value (Calling party number, DivertingNr)	CLIP Nr. = No DivertingNr. = Yes Original CalledNr = yes	CLIP Nr. = Yes  Diverting Nr. = No  Original	CLIP Nr. = Yes  Diverting Nr. = No  Original CalledNr = No	CLIP Nr. = Default Nr. Diverting Nr. = No Original	CLIP Nr. = Yes  Diverting Nr. = No  Original	CLIP Nr. = Yes  Diverting Nr. = Yes  Original	No Diverting Nr. = No Original	CLIP Nr. = No Diverting Nr. = No Original	CLIP Nr. = No Diverting Nr. = No Original
			CalledNr = No		CalledNr = No	CalledNr = No	CalledNr = Yes	CalledNr =	CalledNr = No	CalledNr = No
	SETUP									
1	Calling Party number (CLI+DDI)	<b>√</b>	<b>√</b>	V	-	<b>√</b>	V	V	V	<b>√</b>
	DiversionLegInformation2									
2	DivertingNr									
2a	Presentation allowed	$\sqrt{}$					V			
2b	Presentation restricted		<b>√</b>					√	V	<b>√</b>
2c	Number not available due to interworking			<b>√</b>						
2d	Presentation restricted number				V					
3	originalCalledNr (1 < diversion counter < 6)									
3a	Presentation allowed	<b>√</b>					V			
3b	Presentation restricted		<b>√</b>					<b>√</b>	V	√
3c	Number not available due to interworking									
3d	Presentation restricted number				<b>V</b>					
	CLIR									
4	CLIRp	<b>√</b>						<b>√</b>	V	<b>V</b>
5	CLIRt (def. presented)		V	V	V	V	V			

PIXIT	Test number variable	1	2	3	4	5	6	7	8	9
Value										
	Diverted-to user information parameters (User C)									
	Notification to calling private PBX (A) in dependency of the	COLP Nr.	COLP	COLP Nr.	COLP	COLP	COLP	COLP Nr.	COLP	COLP Nr.
	combination of PIXIT value (the presentation of the COLP,	= yes	Nr. = yes	= No	Nr. = No	Nr. = No	Nr. = yes	= yes	Nr. = No	= No
	diverting information)									
								Div to Nr. =		
		= Yes	= No	No	= No	= No	= No	Yes	= No	No
	DivertingLegInformation3									
	presentationAllowedIndicator:									
6	TRUE	√						$\checkmark$		$\sqrt{}$
7	FALSE		V	V	V	√	V		V	
8	Diverted-to user has COLRp								V	V
9	Diverted-to user has COLRt (def=present) empty IE or PI=0	√	<b>V</b>							
10	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2			<b>√</b>						
11	Diverted-to user has COLRt (def=restrict) IE with PI=0				V					
12	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or					√				
	PI=2									
13	User B has not subscribed COLR						V	V		

211115	ISDN ref. to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6							
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	SDN-ISDN-ISDN/Supplementary_services/rerouteing/211115							
Selection criteria:	Forwarding user and the forwarded	d-to user have a T reference point.							
Test purpose:	message sent from the private net information element including a Diprocedure described in clause 8.3.  The type of number PIXIT parame  Ensure that the IUT in the Null call containing a DiversionLegInformat	ter values for the divertingNr are defined in table 17.  state N00, on receipt of a SETUP message ion2 invoke component in the Facility information and ing at the calling side and delivers the							
	the presentationAllowedIndicator p	ned with a DivertingLegInformation3 that indicates in parameter if presentation of the diverted-to user's ISDN ed, the information shall be delivered to the calling the network.							
	Ensure that the Diverted-to user in parameters are correctly mapped a	formation parameters and Calling user information according to the table 18.							

211116	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementa	ry_services/rerouteing/211116
Selection criteria:	Forwarding user and the forwar	ded-to user have a T reference point.
Test purpose:	If a diverted call is presented from the private rinformation element including a procedure described in clause 8. The type of number PIXIT parameters that the IUT in the Null containing a DiversionLegInformelement, continues normal call I DiversionLegInformation2 to the lift the CONNECT message is rein the presentationAllowedIndicated.	om a private ISDN to the public ISDN, then the SETUP network to the public network shall contain a Facility DivertingLegInformation2 invoke component using the 3.3.1.1 of ETSI EN 300 196-1 [26].  The enter values for the divertingNr are defined in table 17. It is all state N00, on receipt of a SETUP message nation2 invoke component in the Facility information handling at the calling side and delivers the exalled ISDN user.  The entertingLegInformation3 that indicates alter parameter if presentation of the diverted-to user's r is allowed, the information shall be delivered to the
	Ensure that the Diverted-to use parameters are correctly mappe	r information parameters and Calling user information ed according to the table 18.

211117	ISDN ref. to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/211117
Selection criteria:	Forwarding user and the forwarded	d-to user have a T reference point.
Test purpose:	If a diverted call is presented from message sent from the private net information element including a Diprocedure described in clause 8.3.  The type of number PIXIT parameters are that the IUT in the Null call	a private ISDN to the public ISDN, then the SETUP work to the public network shall contain a Facility vertingLegInformation2 invoke component using the 1.1 of ETSI EN 300 196-1 [26].  ter values for the divertingNr are defined in table 17.  state N00, on receipt of a SETUP message containing a component in the Facility information element, the calling side and delivers the
	If no DivertingLegInformation3 is rebe treated as restricted.	eceived from the called user, diverted-to number should

# 6.2.2.11.2.2.3 Forwarding user have a T reference point, and the forwarded-to user S/T reference point

211118	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/rerouteing/211118			
Selection criteria:	Forwarding user have a T reference point.	e point, and the forwarded-to user S/T reference			
Test purpose:	If a diverted call is presented from a private ISDN to the public ISDN, then the SETUP message sent from the private network to the public network shall contain a Facility information element including a DivertingLegInformation2 invoke component using the procedure described in clause 8.3.1.1 of ETSI EN 300 196-1 [26].				
	The type of number PIXIT paramet	type of number PIXIT parameter values for the divertingNr are defined in table 19.			
	nsure that the Diverted-to user information parameters and Calling user information arameters are correctly mapped according to the table 20.				

Table 19: Type of number PIXIT Values: divertingNr

PIXIT VALU	JE divertingNr	originalCalledNr
1	unknown (0),	unknown (0),
2	internationalNumber (1),	internationalNumber (1),
3	nationalNumber (2),	nationalNumber (2),
4	4 networkSpecificNumber (3), networkSpecificNum	
5 subscriberNumber (4), subscriberNu		subscriberNumber (4),
6	abbreviatedNumber (6).	abbreviatedNumber (6).
NOTE: A	All combinations implied	• •

Table 20: Overview of Call Rerouteing parameters when the forwarding user has a T reference point, the diverted-to user the S/T Interface

PIXIT	Test number variable	1	2	3	4	5	6	7
Value	O-11:							
	Calling user information parameters (User A)  Notification to the user B in dependency of the combination of PIXIT value (Calling party number, DivertingNr)	CLIP Nr. = No DivertingNr. = Yes	CLIP Nr. = Yes  Diverting Nr. = No	CLIP Nr. = Yes  Diverting Nr. = No	CLIP Nr. = Default Nr.  Diverting Nr. = No	CLIP Nr. = Yes  Diverting Nr. = No	CLIP Nr. = Yes  Diverting Nr. = Yes	CLIP Nr. = No  Diverting Nr. = No
		Original CalledNr = yes	Original CalledNr = No	Original CalledNr = No	Original CalledNr = No	Original CalledNr = No	Original CalledNr = Yes	Original CalledNr= No
	SETUP							
1	Calling Party number (CLI+DDI)	V	V	V	-	V	V	$\checkmark$
	DiversionLegInformation2							
2	DivertingNr							
2a	Presentation allowed	√					<b>√</b>	
2b	Presentation restricted		V					
2c	Number not available due to interworking			V				
2d	Presentation restricted number				<b>√</b>			
3	originalCalledNr (2 < diversion counter < 6)							
3a	Presentation allowed	V					V	
3b	Presentation restricted		<b>√</b>					
3c	Number not available due to interworking			V				
3d	Presentation restricted number				V			
	CLIR							
4	CLIRp	√						√
5	CLIRt (def. presented)		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	

PIXIT	Test number variable	1	2	3	4	5	6	7
Value								
	Diverted-to user information parameters (User C)							
	Notification to calling private PBX (A) in dependency of the combination of	COLP Nr. =	COLP Nr.	COLP Nr. =	COLP Nr.	COLP Nr. =	COLP Nr.	COLP Nr.
	PIXIT value (the presentation of the COLP)	yes	= No	yes	= No	Yes	= No	= No
		D:	D	D:	D: / N	D:	5 N	D: 4 N
		Div to Nr. =						
		Yes	No	Yes	No	Yes	No	No
	COLRp						$\sqrt{}$	$\sqrt{}$
6	Diverted-to user has COLRt (def=present) empty IE or PI=0	√						
7	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2		V					
8	Diverted-to user has COLRt (def=restrict) IE with PI=0			V				
9	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2				V			
10	User B has not subscribed COLR					V		

### 6.2.2.11.2.3 Procedures where a call from the public ISDN is diverted within or beyond the private ISDN

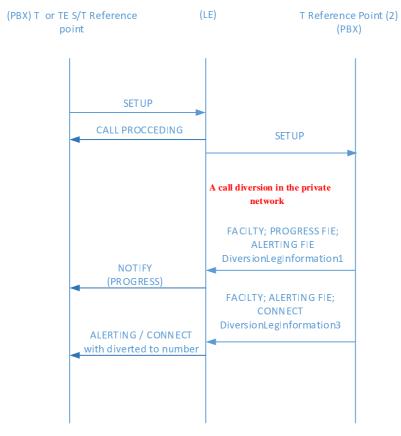


Figure 6: Procedures where a call from the public ISDN is diverted within or beyond the private ISDN

211119	ISDN ref. to: ETSI EN 300 207-1 [12], clause 10.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:		ary_services/rerouteing/211119			
Selection criteria:	Procedures where a call from tall ISDN.	the public ISDN is diverted within or beyond the private			
Test purpose:	beyond the private network, the invoke component, to the public	Where a call offered by the public network to the private network is diverted within or beyond the private network, the private network shall send a DivertingLegInformation1 invoke component, to the public network in a FACILITY, PROGRESS or ALERTING message using the procedure described in clause 8.3.1.1 of ETSI EN 300 196-1 [26].			
	containing a Facility informatio component, and the private ne	at the IUT in the Call State defined in table 21, on receipt of a message a Facility information element with a DivertingLegInformation1 invoke t, and the private network sends a DivertingLegInformation3 invoke component ITY, ALERTING: or CONNECT message, takes appropriate action depending tents of the messages.			
	<u> </u>	2 gives an overview of Call Rerouteing parameters when the forwarding user and varded to user have a T reference point.			

Table 21: DivertingLegInformation1 and DivertingLegInformation3 IE in dependency of the call states

PIXIT	DivertingLegInformation1		DivertingLegInformation3		
	MESSAGE	CALL STATE	MESSAG	E	
1	FACILITY	6	FACILITY		
2	FACILITY			ALERTING	
3	FACILITY				CONNECT
4	FACILITY	7	FACILITY	-	
5	FACILITY	7		-	CONNECT
6	FACILITY	9	FACILITY		
7	FACILITY	9		ALERTING	
8	FACILITY	9			CONNECT
9	FACILITY	25	FACILITY		
10	FACILITY	25		ALERTING	
11	FACILITY	25			CONNECT
12	PROGRESS	7	FACILITY	-	
13	PROGRESS	7		-	CONNECT
14	PROGRESS	9	FACILITY		
15	PROGRESS	9		ALERTING	
16	PROGRESS	9			CONNECT
17	ALERTING	6	-	-	CONNECT
18	ALERTING	9	-	-	CONNECT
19	CONNECT	9	-	-	CONNECT
20	CONNECT	7	-	-	CONNECT
21	CONNECT	6	-	-	CONNECT

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

Table 22: Overview of Call Rerouteing parameters for End-to End tests when the forwarding user and the forwarded to user have a T reference point

PIXIT Value	Test number variable	1	2	3	4	5	6	7	8	9	10
Value	Calling user information parameters (User A)										
	Notification to the user A in dependency of the combination of PIXIT value	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN	NTN&N
1	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	1	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>
	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number										
3	Subscription option: Calling user is notified of diversion: No										
4	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	\ \	V	V							V
5	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				<b>V</b>	<b>V</b>	<b>V</b>				
6	Served user - noNotification (0)							V	√	√	
	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: TRUE (Boolean)	1			<b>√</b>			V			
	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: FALSE (Boolean)		<b>V</b>			<b>V</b>			<b>√</b>		<b>√</b>
9	User within or beyond the private network, DivertingLegInformation3 User presentationAllowedIndicator: not available, has not received a DivertingLegInformation3 invoke component			V			<b>V</b>			٧	
10	Diverted-to user has COLRp										
11	Diverted-to user has COLRt (def=present) empty IE or PI=0	√ Note									
12	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2										
13	Diverted-to user has COLRt (def=restrict) IE with PI=0	√ Note									
14	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2										
15	Diverted-to user has not subscribed COLR	√ Note									

PIXIT Value	Test number variable	11	12	13	14	15	16	17	18	19
value	Calling user information parameters (User A)									
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN
1	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	<b>V</b>	<b>V</b>	<b>V</b>	1	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	V
2	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
3	Subscription option: Calling user is notified of diversion: No									
4	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	<b>√</b>	<b>√</b>	<b>V</b>						
5	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				<b>V</b>	<b>V</b>	<b>V</b>			
6	Served user - noNotification (0)							7	<b>V</b>	V
7	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: TRUE (Boolean)	<b>1</b>			<b>V</b>			1		
8	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: FALSE (Boolean)		<b>V</b>			<b>V</b>			1	
9	User within or beyond the private network, DivertingLegInformation3 User presentationAllowedIndicator: not available, has not received a DivertingLegInformation3 invoke component			<b>V</b>			<b>√</b>			V
10	Diverted-to user has COLRp	√ Note								
11	Diverted-to user has COLRt (def=present) empty IE or PI=0									
12	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√ Note								
13	Diverted-to user has COLRt (def=restrict) IE with PI=0									
14	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note								
15	Diverted-to user has not subscribed COLR									

PIXIT	Test number variable	20	21	22	23	24	25	26	27	28
Value										
	Calling user information parameters (User A)									
	Notification to the user A in dependency of the combination of PIXIT value	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN
	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number									
2	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number									
3	Subscription option: Calling user is notified of diversion: No	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>√</b>	<b>V</b>	<b>V</b>
4	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	<b>√</b>	<b>√</b>	<b>V</b>						
5	Served user - subscriptionOption parameter: "calling user is notified of diversion" notificationWithoutDivertedToNr				<b>V</b>	<b>√</b>	<b>V</b>			
6	Served user - noNotification (0)							<b>√</b>	<b>V</b>	<b>V</b>
7	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: TRUE (Boolean)	<b>√</b>			<b>V</b>			<b>V</b>		
8	User within or beyond the private network, DivertingLegInformation3 presentationAllowedIndicator: FALSE (Boolean)		<b>√</b>			<b>√</b>			<b>\</b>	
9	User within or beyond the private network, DivertingLegInformation3 User presentationAllowedIndicator: not available, has not received a DivertingLegInformation3 invoke component			<b>√</b>			V			<b>V</b>
10	Diverted-to user has COLRp	√ Note								
	Diverted-to user has COLRt (def=present) empty IE or PI=0									
12	Diverted-to user has COLRt (def=present) IE with PI=1 or PI=2	√ Note								
13	Diverted-to user has COLRt (def=restrict) IE with PI=0									
14	Diverted-to user has COLRt (def=restrict) empty IE or PI=1 or PI=2	√ Note								
15	Diverted-to user has not subscribed COLR or has COLP (no user rights)									
NOTE:	One of the following options are possible.									

#### 6.2.2.12 CFB

#### 6.2.2.12.1 Signalling procedures at the coincident S and T reference point

#### 6.2.2.12.1.1 Signalling procedures between ISDN-ISDN

The combinations CFB ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS 186 001-1 [45].

USER B and C have S/T Interfaces.

211201	ISDN ref. to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	,	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN-ISDN/Supplementa	ISDN-ISDN/Supplementary_services/CFB/211201			
Selection criteria:	The user A and the user C are i with CFB- UDUB	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- UDUB			
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the			
		Diverted-to user information parameters and Calling user information parameters are			
	correctly mapped according to table 10.				
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active			
Comments:					

211201A	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
	siduoso o. 1, o.z.z ana o.z.o	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211201A		
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- NDUB		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to table 10.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

211202	ISDN ref. to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211202			
ISDN selection criteria:				
Test purpose:	To verify that a call is released correctly if CFB was not successful if the diverted-to user			
	is busy.			
ISDN parameter values:	CFB active			
Comments:				

#### 6.2.2.12.1.1 Signalling procedures between ISDN and PSTN

211203	ISDN ref. to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN-PSTN/Supplementary_services/CFB/211203			
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is			
	provided with CFB-UDUB.			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the			
		eters and Calling user information parameters are		
	correctly mapped according to the table 11.			
Parameter values:	BC = PIXIT, CF active			
Comments:				

211204	ISDN ref. to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	,	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN-PSTN/Supplementary_services/CFB/211204				
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is			
	provided with CFB-NDUB	provided with CFB-NDUB			
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the			
	Diverted-to user information par	rameters and Calling user information parameters are			
	correctly mapped according to the table 11.				
Parameter values:	BC = PIXIT, CF active				
Comments:					

211205	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN-PSTN/Supplementary_services/CFB/211205			
ISDN selection criteria:				
Test purpose:	To verify that a call is released correctly if CFB was not successful if the diverted-to user is busy.			
ISDN parameter	CFB active			
values:				
Comments:				

#### 6.2.2.12.1.2 Procedures for interworking with private ISDNs

See clause 6.2.2.11.1.

#### 6.2.2.13 CFNR

#### 6.2.2.13.1 Signalling procedures at the coincident S and T reference point

#### 6.2.2.13.1.0 Signalling procedures between ISDN-ISDN

The combinations CFU ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS  $186\ 001-1\ [45]$ .

USER B and C have S/T Interfaces.

211301	ISDN ref. to:	Other relevant references:		
		ETSI TS 183 036 [42], clause 5.2.5		
		Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN-ISDN/Supplementary_services/CFNR/211301			
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is			
	provided with CFNR (option A, late release).			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the			
	Diverted-to user information param	eters and Calling user information parameters are		
	correctly mapped according to table 10.			
Parameter values:	BC = PIXIT, CF active			
Comments:				

211302	ISDN ref. to:	Other relevant references:			
211002	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
		ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN-ISDN/Supplementa	ISDN-ISDN-ISDN/Supplementary_services/CFNR/211302			
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is			
	provided with CFNR (option B, i	provided with CFNR (option B, immediate release)			
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the			
	Diverted-to user information par	Diverted-to user information parameters and Calling user information parameters are			
	correctly mapped according to the table 10.				
Parameter values:	BC = PIXIT, CF active				
Comments:					

211303	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC211303				
ISDN selection criteria:					
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user is busy.				
ISDN parameter	CFNR active				
values:					
Comments:					

# 6.2.2.13.1.1 Signalling procedures between ISDN-ISDN-PSTN

211304	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-PSTN/Supplementary_	ISDN-ISDN-PSTN/Supplementary_services/CFNR/211304	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option A, late release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 11.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

211305	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-PSTN/Supplementary_services/CFNR/211305	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is	
	provided with CFNR (option B, immediate release)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 11.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

211306	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-PSTN/Supplementary_services/CFNR/211306	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

# 6.2.2.13.2 Procedures for interworking with private ISDNs

See clause 6.2.2.11.1.

# 6.2.2.14 CD

211401	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211401
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during the Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211402	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-ISDN/Supplementary	services/CD/211402	
Selection criteria:	"clear call on invocation".  The user A and the user C are in provided with CD ("calling user is	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = No, with diverted-to number, "diverting number is released to the diverted-to user" = No).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during the Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and not informed of the diverted-to number and user C is not informed of the forwarding number.		
Parameter values:	BC = PIXIT		
Comments:			

211403	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211403
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Call Proceeding call state N09, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211404	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-ISDN/Supplementary	_services/CD/211404	
Selection criteria:	"clear call on invocation".  The user A and the user C are in provided with CD ("calling user is	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	during Overlap Receiving call stat of call diversion and informed of the	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Overlap Receiving call state N25, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT		
Comments:			

211405	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211405
Selection criteria:	"retain call until alerting begins at of The user A and the user C are in n	etwork N1. The user B is in network N2 and is otified of call diversion" = Yes, with diverted-to
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211406	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN-ISDN/Supplementary			
Selection criteria:	CD; Network provider option "serv	ved user call retention on invocation of diversion" is		
	"retain call until alerting begins at	"retain call until alerting begins at diverted-to user".		
	The user A and the user C are in	The user A and the user C are in network N1. The user B is in network N2 and is provided		
	with CD ("calling user is notified o	f call diversion" = No, with diverted-to number, "diverting		
	number is released to the diverted	d-to user" = No).		
Test purpose:	Ensure that when user A calls use	Ensure that when user A calls user B and user B invoke CD (with the address of user C)		
	during Call Received call state NO	77, the call is deflected to user C, user A is notified of		
	call diversion and not informed of	the diverted-to number and user C is not informed of		
	the forwarding number.			
Parameter values:	BC = PIXIT			
Comments:				

044407	IODAL (		
211407	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-ISDN/Supplementary	_services/CD/211407	
Selection criteria:	CD; Network provider option "serv	ved user call retention on invocation of diversion" is	
	"retain call until alerting begins at	diverted-to user".	
	The user A and the user C are in	network N1. The user B is in network N2 and is provided	
	with CD ("calling user is notified of call diversion" = Yes, with diverted-to number,		
	"diverting number is released to the	ne diverted-to user" = Yes).	
Test purpose:		er B and user B invoke CD (with the address of user C)	
	during Incoming Call Proceeding	during Incoming Call Proceeding call state N09, the call is deflected to user C, user A is	
	notified of call diversion and inforr	notified of call diversion and informed of the diverted-to number (user C has presentation	
	allowed - no COLR) and user C is informed of the forwarding number (user B has		
	presentation allowed).		
Parameter values:	BC = PIXIT		
Comments:			

211408	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211408
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Overlap Receiving call state N25, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211409	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	ISDN-ISDN-ISDN/Supplementary_services/CD/211409	
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is		
	"clear call on invocation".		
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not		
	successful. User A calls user B, and user B invoke CD (with the address of user C) during		
	Call Received call state N07, the call is deflected to user C who is user determined user		
	busy.		
Parameter values:	BC = PIXIT		
Comments:			

211410	ISDN reference to:	Other relevant references:	
211110	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN-ISDN/Supplementary	ISDN-ISDN-ISDN/Supplementary services/CD/211410	
Selection criteria:	CD; Network provider option "ser	CD; Network provider option "served user call retention on invocation of diversion" is	
	"clear call on invocation".	"clear call on invocation".	
Test purpose:	Ensure that when user A calls use	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, a	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Incoming Call Proceeding call sta	Incoming Call Proceeding call state N09, the call is deflected to user C who is user	
	determined user busy.		
Parameter values:	BC = PIXIT		
Comments:			

211411	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not successful. User A calls user B, and user B invoke CD (with the address of user C) during Overlap Receiving call state N25, the call is deflected to user C who is user determined user busy.	
Parameter values:	BC = PIXIT	
Comments:		

211412	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211412
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at diverted-to user".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Call Received call state N07, the call is deflected to user C who is user determined user	
	busy.	
Parameter values:	BC = PIXIT	
Comments:		

211413	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_services/CD/211413	
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at diverted-to user".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Incoming Call Proceeding call state N09, the call is deflected to user C who is user	
	determined user busy.	
Parameter values:	BC = PIXIT	
Comments:		

211414	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN-ISDN/Supplementary_	services/CD/211414
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at diverted-to user".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Overlap Receiving call state N25, the call is deflected to user C who is user determined	
	user busy.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.15 FPH

211501	ISDN reference to:	Other relevant references:
	ETSI EN 300 210-1 [13],	
	clause 9.2.2.1	
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	The called (served) user is a freephone subscriber.	
Test purpose:	Ensure that call establishment to a Freephone subscriber is possible and that the calling user is not charged. Verify that the free phone indication is delivered correctly to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.16 MCID

211601	ISDN reference to: ETSI EN 300 130-1 [14], clause 9.2.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.6 Recommendation ITU-T Q.1912.5 [35], annex B.4 ETSI TS 129 163 [40], clause 7.4.4	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/MCID/211601	
Selection criteria:	The called (served) user is provided with MCID.		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

211602	ISDN reference to:	Other relevant references:
	ETSI EN 300 130-1 [14],	ETSI TS 183 036 [42], clause 5.2.6
	clause 9.2.1	Recommendation ITU-T Q.1912.5 [35], annex B.4
		ETSI TS 129 163 [40], clause 7.4.4
TSS reference:	ISDN-ISDN/Supplementary_services/MCID/211602	
Selection criteria:	The called user is provided with MCID.	
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state,	
	the call is registered.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.17 3PTY

ISDN reference to:	Other relevant references:
ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
clause 9.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
ISDN-ISDN/Supplementary_serv	vices/3PTY/211701
The user A is in network N1 and network N2.	is provided with 3PTY. The user B and user C are in the
Ensure that user A can establish	a three-way conversation call with user B and user C
and release the Active-Idle conn	ection (A-C). After the completion of the Retrieve
function, the call clearing proced	lure is performed from user A.
BC = speech	
User A calls user B (with CRx). A connection.	After initiating of call hold, the call A-B has an Active-Held
connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.  When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  On receipt of a DISCONNECT message from the user A relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user B the notification "Remote hold".  When user A sends a RETRIEVE message for CRx the network shall send a NOTIFY message to user B containing a Notification indicator IE with a notification description of "Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection.	
	ETSI EN 300 188-1 [15], clause 9.2  ISDN-ISDN/Supplementary_sent The user A is in network N1 and network N2.  Ensure that user A can establish and release the Active-Idle conniction, the call clearing proced BC = speech  User A calls user B (with CRx). A connection.  User A is calling user C (with the When user A sends a FACILITY Begin3PTY invoke component the containing a facility IE with a Begin3PTY invoke component to containing a facility IE with a Begin3PTY invoke component the containing a facility IE with a Begin3PTY invo

211702	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2, figure A.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B). The call clearing procedure is performed from user A.	
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.  When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  On receipt of a DISCONNECT message from the user A relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user C a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message.	

211703	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	Recommendation ITU-T Q.734.2 [25], figure 2-8
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.13
		Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_services/3PTY/211703	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the	
	network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and user B sends disconnect during the Three-Party communication.	
Parameter values:	BC = speech	
Comments:		

211704	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	Recommendation ITU-T Q.734.2 [25], figure 2-9
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.13
		Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_services/3PTY/211704	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user C sends disconnect during the Three-Party communication.	
Parameter values:	BC = speech	
Comments:		

211705	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_service	es/3PTY/211705
Selection criteria:	The user A is in network N1 and is	provided with 3PTY. The user B and user C are in the
	network N2.	
Test purpose:		three-way conversation call with user B and user C
	and release of both remote users,	user C is released first.
Parameter values:	BC = speech	
Comments:		er initiating of call hold, the call A-B has an Active-Held
	connection.	
	•	CRy). The call (A-C) has an Active-Idle connection.
		essage for CRx containing a facility IE with a
	Begin3PTY invoke component the network shall respond with a FACILITY message	
	containing a facility IE with a Begin3PTY return result component for CRx. User B and C	
	receive a NOTIFY message containing a Notification Indicator IE with a notification	
	description of "Conference established". The three-way bridge is established.	
	On receipt of a DISCONNECT message from the user A relating to the Active-Idl	
		I clear the call to user C with a DISCONNECT
	message. After the release of the three-way bridge the network is sending to the remote	
	user B the notification "Remote hold".	
		ssage from the user A relating to the Active-Held
	connection (CRx) the network shall	I clear the call to user B with a DISCONNECT
	message.	

211706	ISDN reference to: Other relevant references:	
211700	ETSI EN 300 188-1 [15], ETSI TS 183 036 [42], clause 5.2.13	
	clause 9.2 Recommendation ITU-T Q.1912.5 [35], annex B.15	
TSS reference:	ISDN-ISDN/Supplementary_services/3PTY/211706	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A	
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  The served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall:  i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection;  ii) release the three-way bridge;  iii) release the three-way bridge;  iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection;  iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification description of "Remote hold"; and  v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected".  When the served user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and shall:  i) use the CR relating to the Active-Held connection, perform the Hold function;  ii) use the CR relating to the Active-Held connection, perform the Hold function;  ii) use the CR relating to the Active-Held connection, perform the Hold function;  ii) use the CR relating to the Active-Held connection, perform the Hold function indicator information element with a notification description of "Remote hold".	

211707	ISDN reference to:	Other relevant references:	
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13	
T00 (	clause 9.2	Recommendation ITU-T Q.1912.5 [35], annex B.15	
TSS reference:	ISDN-ISDN/Supplementary_serv	ISDN-ISDN/Supplementary_services/3PTY/211707	
Selection criteria:	network N2.	is provided with 3PTY. The user B and user C are in the	
Test purpose:	and create a private communicat from user A.	a three-way conversation call with user B and user C ion with user C. The call clearing procedure is performed	
Parameter values:	BC = speech		
Comments:	User A calls user B (with CRx). A connection.  User A is calling user C (with the When user A sends a FACILITY Begin3PTY invoke component th containing a facility IE with a Beg receive a NOTIFY message cont description of "Conference estab If the remote user, for which a pri served user by the CRy relating than End3PTY invoke component to On receiving such an invoke component in the connection;  ii) release the three-way brick iii) return to the served user message, using the CRy iv) send a NOTIFY message information element with and  v) send to the remote user for the same NOTIFY message information indicator infor hold". If any intervening penetwork of the remote used descriptions in the same in message containing a sind disconnected", and a sub "Remote hold".  When the served user receives a within a FACILITY message, the further action. As a result of the puthen auxiliary state of the connection unchanged.	After initiating of call hold, the call A-B has an Active-Held CRy). The call (A-C) has an Active-Idle connection. message for CRx containing a facility IE with a lee network shall respond with a FACILITY message gin3PTY return result component for CRx. User B and C laining a Notification Indicator IE with a notification lished". The three-way bridge is established. invate communication is required, is identified at the to the Active-Idle connection, the served user shall send to the network in a FACILITY message with that CRy. apponent in a FACILITY message, the network shall: dge from both the Active-Idle connection and the Active-Idle from both the Active-Idle connection and the Active-Idle connection; a to both remote users containing a Notification indicator a notification description of "Conference disconnected"; for which private communication is not required, either in age as (iv), or in a subsequent NOTIFY message, a rmation element with a notification description of "Remote or does not support transmission of two notification message, then this should be mapped at that point to a lagle notification description of "Conference is equent message containing a notification description of a correctly encoded End3PTY return result component, user shall accept the provided information and take no procedures of this item of this clause, the call state and ions, at both the network and the served user, are	

# 6.2.2.18 ECT

212001	ISDN reference to: ETSI EN 300 369-1 [19], clauses 9.2.1, 9.2.3 and 9.2.4  Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_services/ECT/212001	
Selection criteria:	ECT using implicit linkage, (A-B Active, Call Held) - Transfer after answer.	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.	
	Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> - <b>Call Held auxiliary state</b> and the call <b>A-C</b> is in the <b>Active call state</b> a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B. (user B and user C have presentation allowed - no COLR) -	
Parameter values:	BC = PIXIT	
Comments:	In order to transfer the two calls into one call between user B and user C using the implicit linkage procedure, the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state.  User A shall send a FACILITY message with the call reference of the call in the Call Held auxiliary state and with a Facility information element containing an EctExecute invoke component.  If the request for call transfer is accepted, network A shall:  - through-connect between the networks of user B and user C;	
	- send a DISCONNECT message with the call reference of the call on which the EctExecute invoke component was received, and with a Facility information element containing an EctExecute return result component.	
	<ul> <li>When call transfer is indicated to the remote networks while the call to user C is in the Active call state:</li> <li>network C shall send a FACILITY message to user C with a Notification indica information element carrying information about the transfer and a Redirection number information element containing the ISDN number of user B (subject to restriction) and a Facility information element containing a RequestSubaddres invoke component.</li> </ul>	
	The network B shall send a FACILITY message to user B with a Notification indicator information element carrying information about the transfer and a Redirection number information element containing the ISDN number of user C (subject to restriction) and a Facility information element containing a RequestSubaddress invoke component. When user C receives a RequestSubaddress invoke component, user C may send a FACILITY message to network C with a Facility information element containing the C user's subaddress in a SubaddressTransfer invoke component. This indication shall be passed by network C to network B.  On receipt of this indication, network B shall send a FACILITY message to user B with a Facility information element containing the SubaddressTransfer invoke component, with user C's subaddress.  When user B receives a RequestSubaddress invoke component, user B may send a FACILITY message to network B with a Facility information element containing the B user's subaddress in a SubaddressTransfer invoke component. This indication shall be passed by network B to network C.  On receipt of this indication, network C shall send a FACILITY message to user C with a Facility information element containing the SubaddressTransfer invoke component, with user B's subaddress.	

212002	ISDN reference to: ETSI EN 300 369-1 [19], clauses 9.2.1, 9.2.3 and 9.2.4	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_service	ces/ECT/212002
Selection criteria:		ctive, Call Held) - Transfer after answer
Test purpose:	C are in network N2.	ovided with ECT using implicit linkage. User B and user
	the call <b>A-C</b> is in the <b>Active call s</b> user B and user C is established a	ECT in which the call A-B is in the Active call sate and tate - Call Held auxiliary state, a connection between and the calls A-B and A-C are released. The call nection is performed from user C. (user B and user C_R).
Parameter values:	BC = PIXIT	
Comments:	In order to transfer the two calls in linkage procedure, A-B is in the A state - Call Held auxiliary state.	to one call between user B and user C using the implicit ctive call sate and the call A-C is in the Active call
	User A shall send a FACILITY message with the call reference of the call in the Call Held auxiliary state and with a Facility information element containing an EctExecute invoke component.	
	If the request for call transfer is ac	
		n the networks of user B and user C;
	EctExecute invoke comp	essage with the call reference of the call on which the onent was received, and with a Facility information of Execute return result component.
	When call transfer is indicated to the remote networks while the call to user B is in the Active call state:	
	information element carr number information elem	ACILITY message to user B with a Notification indicator ying information about the transfer and a Redirection lent containing the ISDN number of user C (subject to information element containing a RequestSubaddress
	information element carrying infor information element containing the Facility information element conta When user B receives a Request FACILITY message to network C B user's subaddress in a Subaddressed by network B to network C On receipt of this indication, network Facility information element contauser B's subaddress.  When user C receives a Request FACILITY message to network C	LITY message to user C with a Notification indicator mation about the transfer and a Redirection number e ISDN number of user B (subject to restriction) and a ining a RequestSubaddress invoke component. Subaddress invoke component, user B may send a with a Facility information element containing the ressTransfer invoke component. This indication shall be component as a facility information to the component of the subaddress invoke component, user C with a ining the SubaddressTransfer invoke component, user C may send a with a Facility information element containing the ressTransfer invoke component. This indication shall be
		B.  Drk B shall send a FACILITY message to user B with a ining the SubaddressTransfer invoke component, with

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212003	ISDN reference To:	Other relevant references:
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 9	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation ITU-T Q.1912.5 [35], annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servi	
Selection criteria:	ECT using implicit linkage, (A-C A	
Test purpose:	·	ovided with ECT using implicit linkage. User B and user
	C are in network N2.	
		ECT in which the call A-B is in the <b>Active call state</b> -
		call A-C is in the Call Delivered State a connection
		stablished and the calls A-B and A-C are released.
		NNECT message from user C, network C shall
	proceed with the basic call proc	
	The call clearing procedure of the	B-C connection is performed from user B.
Parameter values:	BC = PIXIT	
Comments:	When call transfer is indicated to t	the remote networks while the call to user C is in the
	Call Delivered call state:	
	<ul> <li>network B shall send a F</li> </ul>	ACILITY message to user B, with a Notification
	indicator information eler	ment carrying information about the transfer and a
	Facility information elem-	ent containing a RequestSubaddress invoke
	component;	•
	<ul> <li>network C shall send a N</li> </ul>	NOTIFY message to user C, with a Notification indicator
		ying information about the transfer and a Redirection
		nent containing the ISDN number of user B (subject to
	restriction).	
	If a point-to-multipoint configuration exists at user C's interface, the network shall send a	
	NOTIFY message to each responding user.	
		Subaddress invoke component, user B may send a
		with a Facility information element containing the B
		ssTransfer invoke component. This indication shall be
	passed by network B to network C	
		ork C shall send a FACILITY message according to the
		TSI EN 300 196-1 [26] to user C with a Facility
		e SubaddressTransfer invoke component with user B's
		nt configuration exists at user C's interface, network C
	shall send a FACILITY message t	
		NECT message from user C, network C shall proceed
		r C. On receipt of the indication that the call to user C
	has been established, network B	
		subaddress and the address is not subject to restriction,
		FACILITY message to user B with a Notification indicator
		ying information about the transfer, a Redirection
		nent containing the ISDN number of user C and a
		ent containing the SubaddressTransfer invoke
		s subaddress. If user C has not provided a subaddress,
		to restriction, network B shall send a NOTIFY message
		ion indicator information element carrying information
1		Redirection number information element containing the information (subject to restriction).

212004	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation ITU-T Q.1912.5 [35], annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_service	es/ECT/212004
Selection criteria:	ECT using implicit linkage, (A-C Ale	erting, Call Held) - Transfer while alerting
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes E	CT in which the call A-B is in the <b>Active call state</b> and
	the call A-C is in the Call Delivered	d State - Call Held auxiliary state, a connection
	between user B and user C is estal	blished and the calls A-B and A-C are released.
	When network C receives a CONN	ECT message from user C, network C shall proceed
	with the basic call procedure for the	e user C. The call clearing procedure of the B-C
	connection is performed from user	C.
Parameter values:	BC = PIXIT	
Comments:		

212005	ISDN reference to: ETSI EN 300 369-1 [19], clauses 9.2.1, 9.2.3 and 9.2.4	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7	
		Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_serv	ISDN-ISDN/Supplementary_services/ECT/212005	
Selection criteria:	ECT using explicit linkage, (A-B	ECT using explicit linkage, (A-B Active, Call Held) - Transfer after answer	
Test purpose:	C are in network N2. Ensure that when user A invokes Call Held auxiliary state and th between user B and user C is es	User A is in network N1 and is provided with ECT using explicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B (user B and user	
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

212006	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:		ISDN-ISDN/Supplementary_services/ECT/212006	
Selection criteria:	ECT using explicit linkage (A-C Alerting) - Transfer while alerting		
Test purpose:	User A is in network N1 and is provided with ECT using explicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.  The call clearing procedure of the B-C connection is performed from user B.		
Parameter values:	BC = PIXIT		
Comments:			

212007	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7
		Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servic	es/ECT/212007
Selection criteria:	ECT using explicit linkage, (A-C Ale	erting, Call Held) - Transfer while alerting
Test purpose:	User A is in network N1 and is provided with ECT using explicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> and the call <b>A-C</b> is in the <b>Call Delivered State - Call Held auxiliary state</b> , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
Parameter values:	BC = PIXIT	
Comments:		

212008	ISDN reference to: ETSI EN 300 369-1 [19], clause 10, figure A.11	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/ECT/212008
Selection criteria:	ECT.     Served user in private ISD answer.	N, Call transfer performed in the public ISDN after
Test purpose:	User A is in the private network, Call transfer performed in the public N1 provided with ECT. User B and user C are in network N2. Ensure that when user A invokes ECT in which the calls A-B and A-C are in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:	BC = PIXIT	
Comments:		

212009	ISDN reference to: ETSI EN 300 369-1 [19], clause 10, figure A.12	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35] annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_service	ces/ECT/212009
Selection criteria:		, Call transfer performed in the public ISDN.
Test purpose:	User A is in the private network, Call transfer performed in the public N1 provided with ECT. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.  The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:	BC = PIXIT	
Comments:		

212010	ISDN reference to: ETSI EN 300 369-1 [19], clause 10	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7
		Recommendation ITU-T Q.1912.5 [35], annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_services/ECT/212010	
Selection criteria:	- ECT (A-B Active, Call Held) - Transfer after answer.	
	<ul> <li>The served user A and the re-</li> </ul>	emote user C belongs to a private ISDN.
Test purpose:	User A and use C are in network N1. User A is provided with ECT. User B is in network N2.	
	Ensure that when user A invokes ECT in which the calls A-B and <b>A-C</b> are in the <b>Active call state</b> a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:	BC = PIXIT	
Comments:		

	[		
212011	ISDN reference to:	Other relevant references:	
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2 and	
	clause 10	3.2.2	
		ETSI TS 183 036 [42], clause 5.2.7	
		Recommendation ITU-T Q.1912.5 [35], annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/ECT/212011	
Selection criteria:	<ul> <li>ECT using implicit linkag</li> </ul>	e, (A-C Active, Call Held) - Transfer after answer.	
	<ul> <li>User B and C are connected</li> </ul>		
Test purpose:	User A is in network N1 and is	provided with ECT using implicit linkage. User B and user	
	C are in network N2.		
	Ensure that when user A invok	ses ECT in which the call A-B is in the Active call sate and	
	the call A-C is in the Active ca	all state - Call Held auxiliary state, a connection between	
	user B and user C is established	ed and the calls A-B and A-C are released.	
	The call clearing procedure of	the B-C connection is performed from user C.	
Parameter values:	BC = PIXIT		
Comments:	After transfer, the public netwo	ork shall send a FACILITY message to the private network	
	using the call reference of the call to the private network user. The FACILITY message		
		tion element with an EctInform invoke component indicating	
		ining the redirectionNumber parameter.	
		send its user's subaddress to the other user, the private	
	network shall send a FACILITY message with a Facility information element containing		
		e component with the subaddress to the public network.	
		ey the subaddress to the other user by sending a FACILITY	
		ivate network depending on the user's location.	
		ompletion, then when the public network is informed that the	
		ed the call, the public network shall send a FACILITY	
		k using the call reference of the call to the remote user.	
	mossage to the private notice.	doing the cam reference of the cam to the remote does.	
	The FACILITY message shall	contain:	
		element with an EctInform invoke component indicating the	
		nd containing the redirectionNumber parameter;	
		element with a SubaddressTransfer invoke component	
		ess supplied by the other user, if available and not	
	restricted.	oos capplica by the other ason, if available and not	
		des an EctInform invoke component containing a	
		the field shall be processed as defined for the equivalent	
	fields in the Calling Party number		
	pileius in the Calling Faity numb	סכו ווווטוווומנוטוו כוכוווכוונ.	

212012	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 9	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation ITU-T Q.1912.5 [35], annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servic	es/ECT/212012
Selection criteria:	- ECT using implicit linkage, (A	A-C Alerting) - Transfer while alerting.
	- User B and C are connected	to a private ISDN.
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> -	
	Call Held auxiliary state and the call A-C is in the Call Delivered State a connection	
	between user B and user C is es	tablished and the calls A-B and A-C are released.
	When network C receives a CONNECT message from user C, network C shall	
	proceed with the basic call procedure for the user C.	
	The call clearing procedure of the I	B-C connection is performed from user B.
Parameter values:	BC = PIXIT	
Comments:	_	

# 6.2.2.19 HOLD

211801	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/HOLD/211801	
Selection criteria:	The calling user is provided w	The calling user is provided with HOLD.	
Test purpose:	Ensure that the remote user is notified of the call hold and retrieval.		
Parameter values:	BC = speech	BC = speech	
Comments:			

211802	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-ISDN/Supplementary_services/HOLD/211802	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = speech	
Comments:		

211803	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-ISDN/Supplementary_services/HOLD/211803	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call	
	hold and that the call can be released from the called user in the held state.	
Parameter values:	BC = speech	
Comments:		

# 6.2.2.20 CW

211901	ISDN reference to:	Other relevant references:	
211001	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1	
	clause 7	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.11	
		Recommendation ITU-T Q.1912.5 [35], annex B.9	
		ETSI TS 129 163 [40], clause 7.4.9	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CW/211901	
Selection criteria:	The called user is provided w	ith CW, notification allowed.	
Test purpose:	Ensure that when all B-chann	Ensure that when all B-channels are busy at the called side, the calling user is notified of	
	the call waiting.		
Parameter values:	BC = PIXIT		
Comments:			

211902	ISDN reference to:	Other relevant references:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		Recommendation ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_s	services/CW/211902
Selection criteria:	The called user is provided with CW, notification allowed.	
Test purpose:	Ensure that the Waiting call is released with "call rejected".	
Parameter values:	BC = PIXIT	
Comments:		

211903	ISDN reference to: ETSI EN 300 058-1 [17], clause 7	Other relevant references: ETSI EN 300 403-1 [1], clause 4.5.2.1 Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.11 Recommendation ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_services/CW/211903	
Selection criteria:	The called user is provided with CW, notification allowed.	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.21 CCBS

212101		Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11
TOC votovonos	ICDN ICDN/Complementant comics	ETSI TS 129 163 [40], clause 7.4.11
TSS reference: Selection criteria:	supplementary service is ava	the CCBS supplementary service and this
	- User A is in network N1, use	r B is in network N2.
Test purpose:	Ensure that user A can establish a configuration exits.	successful CCBS call setup if a multipoint
Parameter values:	BC = PIXIT	
Comments:	BC = PIXIT  The network N1 in the Disconnect Indication call state N12 and CCBS Idle state and Retention Active state for CCBS, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, sends a FACILITY message containing a Facility information element with a CBSRequest return result component including the CCBSReference and recallMode.  The network N1 in the Null call state N00 and CCBS Activated state in order to indicate that it is prepared for establishment of the requested call, sends a FACILITY message (UI frame) containing a Facility information element with a CCBSRemoteUserFree invoke component including the recallMode, cCBSReference, addressOfB and q931InfoElement. The network in the Null call state N00 and CCBS Free state, on receipt of a SETUP message containing Bearer capability information element(s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, continues en-bloc basic call procedures using the retained call information and moves to call state N01.	

212102		
212102	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]
	clauses 9.4.3.1 and 9.4.4.1	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCBS/212102
Selection criteria:	<ul> <li>OLE and DLE are support</li> </ul>	ting the CCBS supplementary service and this
	supplementary service is a	available to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	he coincident S and T reference point.
	<ul> <li>User A is in network N1, u</li> </ul>	iser B is in network N2.
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when	
	user B has responded to the call w	ith a ALERTING message User A receives an
	ALERTING message followed by a	FACILITY message containing a Facility information
Parameter values:	BC = PIXIT	
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state,	
	to indicate that user B has respond	ed to the call with an ALERTING message, sends an
	and enters the call state N04.	
Parameter values:	supplementary service is available to user A.  - Signalling procedures at the coincident S and T reference point.  - User A is in network N1, user B is in network N2.  Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING message User A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".  BC = PIXIT  The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with an ALERTING message, sends an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified"	

ISDN reference to:	Other relevant references:		
2.	ETSI EN 300 356-1 [18]		
clauses 9.2.1 and 9.4.4.1	Recommendation ITU-T Q.699 [24], clauses 3.1.2		
	and 3.2.2		
	ETSI TS 183 036 [42], clause 5.2.14		
	Recommendation ITU-T Q.1912.5 [35], annex B.11		
	ETSI TS 129 163 [40], clause 7.4.11		
ISDN-ISDN/Supplementary_serv	vices/CCBS/212103		
<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this</li> </ul>			
supplementary service	e is available to user A.		
<ul> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>			
<ul> <li>User A is in network N</li> </ul>	I1, user B is in network N2.		
Ensure that user A in the call proceeding call state and in the CCBS Call init state, when			
user B has responded to the call with a CONNECT message, user A receives a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified."			
		BC = PIXIT	
		The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state,	
to indicate that user B has responded to the call with a CONNECT message, sends a			
CONNECT message followed by a FACILITY message containing a Facility information			
	ke indicating cCBSEraseReason "normal-unspecified"		
· · · · · · · · · · · · · · · · · · ·			
	ISDN-ISDN/Supplementary_services  - OLE and DLE are sup supplementary services - Signalling procedures - User A is in network N Ensure that user A in the call procedures B has responded to the call CONNECT message followed by element with a cCBSErase invoked BC = PIXIT  The network N1 in the Outgoing to indicate that user B has responded by the converse of the con		

212104	ISDN reference to: ETSI EN 300 359-1 [27], clauses 9.2.1 and 9.4.4.1	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/CCBS/212104
Selection criteria:	supplementary service - Signalling procedures a	orting the CCBS supplementary service and this is available to user A. at the coincident S and T reference point.  I, user B is in network N2.
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS Activated state the user can initiate the user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS Activated state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

212105	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CCBS/212105	
Selection criteria:		rting the CCBS supplementary service and this	
	supplementary service is		
	- Signalling procedures at the coincident S and T reference point		
	- User A is in network N1, user B is in network N2.		
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS free state the user can		
	initiate the deactivation procedure.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS free state),		
	on receipt of a FACILITY message containing a Facility information element with a		
	CCBSDeactivate invoke component including the correct CCBSReference parameter,		
	sends to user A a FACILITY message containing a Facility information element with a		
	CCBSDeactivate return result component with CCBSEraseReason indicating "normal-		
	unspecified" and a Facility messa	unspecified" and a Facility message containing a Facility information element with a	
	CCBSerase invoke component.		

212106	ISDN reference to: ETSI EN 300 357 [28], clause 6.3.1.1 ETSI EN 300 359-1 [27], clause 9.1.2	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CCBS/212106
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>User A is in network N1, user B is in network N2.</li> </ul>	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS supplementary service is not available to the destination. The user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "longTermDenial".	
Parameter values:	BC = PIXIT	
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "longTermDenial".	

212107	ISDN reference to: ETSI EN 300 357 [28], clause 6.3.1.1 ETSI EN 300 359-1 [27], clause 9.1.2	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11
TSS reference:	ISDN-ISDN/Supplementary_servi	ETSI TS 129 163 [40], clause 7.4.11
Selection criteria:	OLE and DLE are supporting supplementary service is an arrangement.	ng the CCBS supplementary service and this vailable to user A. e coincident S and T reference point.
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS supplementary service is not available to the destination at this time.	
Parameter values:	BC = PIXIT	
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, but CCBS is not available to the destination at this time, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial".	

212108	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCBS/212108
Selection criteria:	<ul> <li>Network A and network B a</li> </ul>	re supporting the CCBS supplementary service and this
	supplementary service is av	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the	
	network A shall inform user A by sending a CCBSFree invoke component to user A and	
	suspend CCBS processing.	
Parameter values:	BC = PIXIT	
Comments:		

212109	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/CCBS/212109
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> </ul>	
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can be selected, network A shall suspend the CCBS request at network B.	
Parameter values:	BC = PIXIT	·
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

212110	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_serv	rices/CCBS/212110
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>The network option "CCBS request retention" is set to "yes".</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT: not containing a Facility information element with a CCBSErase invoke component.  Network B shall resume monitoring user B for being not busy.	

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212111	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:		re supporting the CCBS supplementary service and this	
Colocilori critoria.	supplementary service is av	•	
		coincident S and T reference point.	
	<b>.</b>	·	
	- Network option "CCBS request retention" is set to "no".		
	- Multipoint configuration.		
Test purpose:		Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call cle	B is proceeding with normal call clearing User A can activate the CCBS supplementary	
	service again.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the O	utgoing Call Proceeding state and CCBS Call Init	
	State, where a multipoint configuration exists, if network B cannot establish the call		
		because user B is busy again, the network A sends to user A a DISCONNECT: or	
		RELEASE COMPLETE message containing a Facility information element with a	
		CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message	
		(UI frame) containing a Facility information element with a CCBSErase invoke component	
	including CCBSEraseREason enco		
	User A can activate the CCBS sup	piernentary service again.	

212112	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_ser	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Network option "CCBS request retention" is set to "no".</li> <li>Multipoint configuration.</li> </ul>	
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, if network B cannot establish the call for any reason other than the called user is busy, the network A sends to user A a DISCONNECT message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed.  User A can activate the CCBS supplementary service again.	
Parameter values:	BC = PIXIT	
Comments:		

212113	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_s	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, on receipt of a DISCONNECT message from the served user the network A sends to user A a RELEASE COMPLETE message and a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed.	
Parameter values:	BC = PIXIT	
Comments:		

212114	ISDN reference to:	Other relevant references:		
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]		
		Recommendation ITU-T Q.699 [24], clauses 3.1.2		
		and 3.2.2		
		ETSI TS 183 036 [42], clause 5.2.14		
		Recommendation ITU-T Q.1912.5 [35], annex B.11		
		ETSI TS 129 163 [40], clause 7.4.11		
TSS reference:	ISDN-ISDN/Supplementary_services/CCBS/212114			
Selection criteria:	- Network A and network B are supporting the CCBS supplementary service and this			
	supplementary service is available to user A.			
		at the coincident S and T reference point.		
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint			
		configuration exists, and the T-CCBS3 expires, the network A sends to user A a		
	FACILITY message (UI frame) containing a Facility information element with a			
	CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-			
	timout".			
Parameter values:	BC = PIXIT			
Comments:				

212115	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	- Network A and network B a	re supporting the CCBS supplementary service and this
	supplementary service is av	railable to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	T reference point at both ends.
Test purpose:	Ensure that network A can initiate	a CCBS call to Network B.
Parameter values:	BC = PIXIT	
Comments:		

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212116	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_sei	vices/CCBS/212116	
Selection criteria:	<ul> <li>Network A and network E</li> </ul>	B are supporting the CCBS supplementary service and this	
	supplementary service is	available to user A.	
	<ul> <li>Signalling procedures at</li> </ul>	the T reference point at both ends.	
Test purpose:	Ensure that the public network cannot accept the CCBS request because CCBS is not		
	available to the destination at th	is time.	
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A (in th	e in the Outgoing Call Proceeding and in the CCBS Idle	
	state Null call state) to indicate	hat user B is busy sends to user A DISCONNECT: (or	
	RELEASE COMPLETE) message with clause #17 or #34, containing a Facility		
	information element with CCBS-T-Available invoke component at this time.		
	On receipt of a (network A is in the call state N00, CCBS Idle state) REGISTER message		
	containing a Facility information element with a CCBS-T-Request invoke component but		
	the supplementary service CCBS is not available at this time to the destination.		
	The user A receives a FACILITY message containing a Facility information element with a		
		CCBSRequest return error component indicating "shortTermDenial" and then receives	
	RELEASE message with clause	#31 to clear the signalling connection or receives a	
	RELEASE message with clause	#31 containing a Facility information element with a	
	CCBSRequest return error com	ponent indicating "shortTermDenial".	

212117	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCBS/212117
Selection criteria:		re supporting the CCBS supplementary service and this
	supplementary service is av	/ailable to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	e T reference point at both ends.
Test purpose:	Ensure that the public network cannot accept the CCBS request because CCBS is not	
	available to the destination.	
Parameter values:	BC = PIXIT	
Comments:		n the Outgoing Call Proceeding and in the CCBS Idle
		t user B is busy sends to user A DISCONNECT: (or
		with clause #17 or #34, containing a Facility
	information element with CCBS-T-	Available invoke component.
	On receipt of a (network A is in the call state N00, CCBS Idle state) REGISTER message	
	containing a Facility information element with a CCBS-T-Request invoke component but	
	the supplementary service CCBS is not available to the destination.	
	The user A receives a FACILITY n	nessage containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "longTermDenial" and then receives
	RELEASE message with clause #	31 to clear the signalling connection or receives a
	RELEASE message with clause #	31 containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "longTermDenial".

212118	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CCBS/212118	
Selection criteria:	<ul> <li>Network A and network</li> </ul>	- Network A and network B are supporting the CCBS supplementary service and this	
		supplementary service is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	- Signalling procedures at the T reference point at both ends.	
Test purpose:	Ensure that the user in netwo	Ensure that the user in network A which is the CCBS Activated state, in order to	
	deactivate the CCBS reques	deactivate the CCBS request sends a RELEASE message with clause value #31.	
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

212119	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_services/CCBS/212119	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A</li> <li>Signalling procedures at the T reference point at both ends.</li> </ul>	
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING: followed by a CONNECT message user A receives an ALERTING message followed by a CONNECT message.	
Parameter values:	BC = PIXIT	
Comments:		

212120	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/CCBS/212120
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at both ends.</li> <li>The network option "CCBS request retention" is set to "yes".</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT: containing a CCBS-T-Available invoke component. Network B shall resume monitoring user B for being not busy.	

212121	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCBS/212121
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at both ends.</li> <li>Network option "CCBS request retention" is set to "no".</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing User A can activate the CCBS supplementary service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT message containing a Facility information element with a CCBS-T-Available invoke component.	

# 6.2.2.22 CCNR

212201	ISDN reference to:	Other relevant references:	
212201	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
	L 101 L 1 30 1 003-1 [23]	and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		= =:	
T00 /	IODALIODALIO	ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_se		
Selection criteria:		orting the CCNR supplementary service and this	
	supplementary service is		
		the coincident S and T reference point.	
	<ul> <li>Recall option = PIXIT.</li> </ul>		
	<ul> <li>Point-to-multipoint config</li> </ul>		
Test purpose:	Ensure that when user A has a	n ALERTING: indication received from user B, user A can	
	activate CCNR and establish a	successful CCNR call setup if a point-to-multipoint	
	configuration applies.		
Parameter values:	BC = PIXIT		
Comments:	User A has an ALERTING: indi	cation received from user B. Network A shall retain the	
	CCNR available indication determined by user B. (The network is in the call state N4 and		
	in the Retain Active and CCNR Idle state).		
	On receipt of FACILITY message containing a Facility information element with a		
		ent including the callLinkageID parameter	
		NECT message containing a Cause information element	
		rmal unspecified" and a FACILITY message with the	
		dummy call reference containing a Facility information element with CCNRRrequest	
		network is in the CCNR Activated state).	
	Is user A neither busy nor CCBS busy on receipt of a RemoteUserFree invoke		
	component from the network B, the Network A shall send to user A a FACILITY message		
	containing a Facility information element with a CCBSremoteUserFree invoke component (the network is in the CCNR free state)		
		(the network is in the CCNR free state).  On receipt of SETUP message containing Bearer capability information element(s) from	
		formation element with a CCBSCall invoke component	
		from the previously sent CCBSRemoteUserFree invoke	
		ds to user A a FACILITY message (UI frame) containing a	
		h a CCBSStopAlerting invoke component including the	
	CCBSReference followed by a	CALL PROCEEDING message.	

212202	ISDN reference to: Other relevant references:		
212202			
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-ISDN/Supplementary_services/CCNR/212202		
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this</li> </ul>		
	supplementary service is available to user A.		
	- Signalling procedures at the coincident S and T reference point.		
	- Recall option = PIXIT.		
	- Point-to-multipoint configuration applies.		
Test purpose:	Ensure that when CCNR supplementary service is not activated and the call is cleared		
	after ALERTING: has been sent to user A, user A can activate CCNR and establish a		
	successful CCNR call setup if a point-to-multipoint configuration applies.		
Parameter values:	BC = PIXIT		
Comments:	The network A in the call state N0 and in the Retain Active and CCNR Idle state) on		
	receipt of FACILITY message containing a Facility information element with a		
	CCNRRequest invoke component including the callLinkageID parameter sends a		
	FACILITY message with the dummy call reference containing a Facility information		
	element with CCNRRrequest return result component. (The network is in the call state N0		
	and CCNR Activated state).		
	Is user A neither busy nor CCBS busy on receipt of a RemoteUserFree invoke		
	· ·		
component, the network A sends to user A a FACILITY message (UI frame) confidence facility information element with a CCBSStopAlerting invoke component inclu-			
			component from the network B, the Network A shall send to user A a FACILITY message containing a Facility information element with a CCBSremoteUserFree invoke componen (the network is in the CCNR free state).  On receipt of SETUP message containing Bearer capability information element(s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSStopAlerting invoke component including the CCBSReference followed by a CALL PROCEEDING message.

212203	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212203	
Selection criteria:	<ul> <li>OLE and DLE are supporting</li> </ul>	g the CCNR supplementary service and this	
	supplementary service is av	vailable to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.	
Test purpose:	user B has responded to the call w CONNECT message. Has the CC FACILITY message containing a F	Ensure that user A in the call proceeding call state and in the CCNR Call init state, when user B has responded to the call with a CONNECT message, user A receives a CONNECT message. Has the CCNR request not been deactivated, the user receives a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
Parameter values:	BC = PIXIT		
Comments:			

212204	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212204	
Selection criteria:	<ul> <li>OLE and DLE are supportir</li> </ul>	g the CCBS supplementary service and this	
	supplementary service is a	vailable to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.	
Test purpose:	Ensure that when the network A is	Ensure that when the network A is in the call state N00 and CCNR Activated state, the	
	user can initiate the deactivation procedure.		
Parameter values:	BC = PIXIT		
Comments:		twork A is in the call state N00 and CCNR Activated	
	state), on receipt of a FACILITY m	essage containing a Facility information element with a	
	CCBSDeactivate invoke component including the correct CCBSReference parameter,		
	sends to user A a FACILITY message containing a Facility information element with a		
	CCBSDeactivate return result component.		

212205	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_serv	rices/CCNR/212205	
Selection criteria:		ing the CCBS supplementary service and this	
	supplementary service is a	available to user A.	
	- Signalling procedures at the coincident S and T reference point.		
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCBS		
	supplementary service is not ava	ilable to the destination.	
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCNR Idle state and Retain Active State, on receipt of a		
	FACILITY message containing a Facility information element with a CCNRRequest		
	invoke component including the CallLinkageID, but CCBS is not available to the		
	destination, the user A receives a FACILITY message containing a Facility information		
	element with a CCBSRequest re	element with a CCBSRequest return error component indicating "shortTermDenial" or	
	"longTermDenial".		

212206	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/CCNR/212206
Selection criteria:	<ul> <li>Network A and network</li> </ul>	B are supporting the CCBS supplementary service and this
	supplementary service	is available to user A.
	<ul> <li>Signalling procedures a</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the	
	network A shall inform user A by sending a CCBSFree invoke component to user A and	
	suspend CCNR processing.	
Parameter values:	BC = PIXIT	
Comments:		

212207	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_services/CCNR/212207		
Selection criteria:	- Network A and network B are supporting the CCBS supplementary service and this		
	supplementary service is available to user A.		
		e coincident S and T reference point.	
	<ul> <li>Recall option = PIXIT.</li> </ul>		
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can be selected, network A shall suspend the CCNR request at network B.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that network A in the CCNR free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCNR request at network B.		

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212208	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_services/CCNR/212208		
Selection criteria:			
	this supplementary service is available to user A.		
	- Signalling procedures at the coincident S and T reference point.		
	<ul> <li>The network option "C</li> </ul>	CCBS request retention" is set to "yes".	
Test purpose: Ensure that if network B cannot es		ot establish the call because user B is busy again, network	
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, if network B cannot establish the call because user B is busy again, the network A		
	sends to user A a DISCONNECT: not containing a Facility information element with a		
	CCBSErase invoke component.		
	Network B shall resume monitoring user B for being not busy.		

212209	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212209
Selection criteria:	<ul> <li>Network A and network B</li> </ul>	are supporting the CCBS supplementary service and
	this supplementary service	
	<ul> <li>Signalling procedures at t</li> </ul>	he coincident S and T reference point.
	<ul> <li>Network option "CCBS re-</li> </ul>	quest retention" is set to "no".
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call c	learing User A can activate the CCNR supplementary
	service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCNR Call Init	
	State, if network B cannot establis	sh the call because user B is busy again, the network A
		essage containing a Facility information element with a
		including a CallLinkageID sends a FACILITY message
	containing a Facility information e	lement with a CCBSErase invoke component including
	CCBSEraseReason encoded as "	basic-call-failed.
	User A can activate the CCNR su	pplementary service again.

212210	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.4.1.2	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CCNR/212210	
Selection criteria:		Network A and network B are supporting the CCNR supplementary service and	
	this supplementary s	this supplementary service is available to user A.	
	<ul> <li>Signalling procedure</li> </ul>	- Signalling procedures at the coincident S and T reference point.	
Test purpose:	Ensure that the network A in the Null call state and CCNR Free state and the T-CCBS3		
	expires. The network A sends to user A a FACILITY message containing a Facility		
	information element with a CCBSErase invoke component including CCBSEraseREason		
	encoded as "t-CCBS3-timout".		
Parameter values:	BC = PIXIT		
Comments:			

212211	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 10.2.2	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		are supporting the CCBS supplementary service and
	this supplementary service	
		ne <b>T</b> reference point at both ends.
Test purpose:	Ensure that network A can initiate	a CCNR call to Network B.
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A (in the in the Outgoing Call Proceeding and in the CCBS Idle state Null call state) to indicate that user reached the alerting state B sends user A an ALERTING message, containing a Facility information element with CCBS-T-Available invoke component.  The network A on receipt of a REGISTER message containing a Facility information element with a CCNR-T-Request invoke component including the retentionSupported parameter set to TRUE receives a FACILITY message with a Facility information element with a CCNR-T-Request return result component including the parameter retentionSupported set to TRUE.  To indicate that the destination has become not busy user A receives a FACILITY containing a Facility information element with a CCBS-T-RemoteUserFree invoke component.  On receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBS-T-RemoteUserFree invoke component, the Network A shall initiate a CCBS call to Network B and sends a CALL PROCEEDING.	

212212	ISDN reference to: ETSI EN 300 138-1 [7], clause 10.1.2.2	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12 ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212212
Selection criteria:	<ul> <li>Network A and network B are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at both ends.</li> </ul>	
Test purpose:	Ensure that the public network cannot accept the CCNR request because CCNR is not available to the destination at this time.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A (in the in the Outgoing Call Proceeding and in the CCBS Idle state Null call state) to indicate that user reached the alerting state B sends user A an ALERTING message, containing a Facility information element with CCBS-T-Available invoke component.  The network A on receipt of a REGISTER message containing a Facility information element with a CCNR-T-Request invoke component but the supplementary service CCNR is not available at this time to the destination.  The user A receives a RELEASE message containing a Facility information element with a CCNRRequest return error component indicating "shortTermDenial".	

212213	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references: ETSI EN 300 356-1 [18]
	clause 10.1.2.2	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/CCNR/212213
Selection criteria:		B are supporting the CCNR supplementary service and
		vice is available to user A.
	- Signalling procedures at the T reference point at both ends.	
Test purpose:	Ensure that the public network cannot accept the CCNR request because CCNR is not available to the destination.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A (in the in the Outgoing Call Proceeding and in the CCBS Idle state Null call state) to indicate that user reached the alerting state B sends user A an ALERTING message, containing a Facility information element with CCBS-T-Available invoke component.  The network A on receipt of a REGISTER message containing a Facility information element with a CCNR-T-Request invoke component but the supplementary service CCNR is not available at this time to the destination.  The user A receives a RELEASE message containing a Facility information element with	
		omponent indicating "longTermDenial".

212214	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29],	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
	clause 10.1.7.1	and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCNR/212214	
Selection criteria:		- Network A and network B are supporting the CCNR supplementary service and	
		this supplementary service is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	s at the T reference point at both ends.	
Test purpose:		Ensure that user A receiving a FACILITY message containing a Facility information	
	element with a CCBS-T-Rem	oteUserFree invoke component, in order to deactivate the	
	CCNR sends a RELEASE me	CCNR sends a RELEASE message with cause value #31.	
Parameter values:	BC = PIXIT		
Comments:			

212215	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29],	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
	clause 10.1.6.2	and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCNR/212215	
Selection criteria:	Network A and network B are supporting the CCBS supplementary service and		
	this supplementary service is available to user A.		
	- Signalling procedures at the T reference point at both ends.		
	- The network option "CCBS request retention" is set to "yes".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:			

212216	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 10.1.6.2	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212216
Selection criteria:	Network A and network B are supporting the CCNR supplementary service and	
	this supplementary service is available to user A.	
	- Signalling procedures at the T reference point at both ends.	
	<ul> <li>Network option "CCBS red</li> </ul>	quest retention" is set to "no".
Test purpose:		stablish the call because user B is busy again, network
	B is proceeding with normal call cl	earing User A can activate the CCNR supplementary
	service again.	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.2.23 Comb

212301	ISDN reference to:	Other relevant references:
	ETSI EN 300 195-1 [20], clause 5	
TSS reference:	ISDN-ISDN/Supplementary_servic	es/Comb/212301
Selection criteria:		OLP, UUS1 implicit request and belong to a CUG with
	outgoing access allowed, the called	d user is provided with CLIP and SUB.
Test purpose:	subaddress, Called party subaddre information elements are correctly sent by the network to the called us called user with Connected subaddinformation elements are correctly network to the calling user.	nber is provided by the calling user with Calling party ass and User-user information elements, all the delivered to the called user in the SETUP message are and when the Connected number is provided by the dress and User-user information elements, all the delivered in the CONNECT message sent by the
Parameter values:	BC = speech, HLC = telephony, UI	length = 32, SI = UPVP
Comments:		

212302	ISDN reference to:	Other relevant references:
	ETSI EN 300 195-1 [20], clauses 5.29 and 5.27	
TSS reference:	ISDN-ISDN/Supplementary_service	l es/Comb/212302
Selection criteria:		OLP, UUS1 implicit request, the called user is provided
Test purpose:	Ensure that when Calling party number is provided by the calling user with Calling party subaddress and User-user information elements, all the information elements are correctly transferred to the forwarded-to user and delivered in the SETUP message sent by the network to the forwarded-to user without any bearer/teleservice change, and when the Connected number is provided by the forwarded-to user with Connected subaddress and User-user information elements, all the information elements are correctly delivered in the CONNECT message sent by the network to the calling user.	
Parameter values:	BC = speech, HLC = telephony, UI	length = 32, SI = UPVP
Comments:		

212303	ISDN reference to:	Other relevant references:
	ETSI EN 300 195-1 [20], clause 5	
TSS reference:	ISDN-ISDN/Supplementary_service	es/Comb/212303
Selection criteria:	The called user is Freephone subscriber provided with CLIP.	
Test purpose:	Ensure that when Calling party number is provided by the calling user, the Calling party number information element is delivered correctly to the called user.	
Parameter values:	BC = speech, SI = UPVP	•
Comments:		

#### 6.2.2.24 DDI

212401	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.1.5.1  Other relevant references:	
TSS reference:	ISDN-ISDN/Supplementary_services/DDI/212401	
Selection criteria:	<ul><li>en-bloc sending at user A;</li><li>DDI at user B.</li></ul>	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly when user B supports DDI.	
Parameter values:	BC = PIXIT	
Comments:	The network in the Null call state N00, to indicate an incoming call and the full ISDN number is available, transmits to user B SETUP message with a valid Called party number information element with the numbering plan Identification field set to "ISDN/telephony numbering plan" and type of number field set to "unknown" with the DDI digits contained in the number digits field.	

212402	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.2	
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	<ul> <li>Overlap sending at user A.</li> </ul>	
	- DDI at user B.	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly when user B	
	supports DDI.	
Parameter values:	BC = PIXIT	
Comments:	The network in the call state N25 to indicate that an INFORMATION message received	
	from the originating network contained a Called party number information element with	
	the full ISDN number including DDI digits and a Sending complete information element is	
	to be sent to the called user, transmits to user B an INFORMATION message with a valid	
	Called party number information element with the numbering	
	plan identification field set to "ISDN/telephony numbering plan" and type of number field	
	set to "national number", "international number" or "subscriber number" with the full ISDN	
	number including DDI digits contained in the number digits field.	

#### 6.2.2.25 MSN

212501	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 052-1 [46]
	clause 5.1.5.1	
TSS reference:	ISDN-ISDN/Supplementary_service	es/MSN/212501
Selection criteria:		
Test purpose:	Ensure that the IUT in the Null call state N00, to indicate an incoming call and the full ISDN number is available, sends a SETUP message with a Called party number information element with <b>type of number</b> coded as "subscriber number", "national number" or "international number" and <b>numbering</b> plan identification field coded as "unknown" or as "ISDN/telephony numbering plan", and the full ISDN number including MSN digits and enters state N06.	
Parameter values:		
Comments:		

212502	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI EN 300 052-1 [46]
	clause 5.1.5.1	
TSS reference:	ISDN-ISDN/Supplementary_service	es/MSN/212502
Selection criteria:	Selection: IUT supports insertion of partial ISDN number in Calling party number information element.	
Test purpose:	The multiple subscriber number, if provided by the calling user, shall be delivered from the user to the network according to the procedures of ETSI EN 300 403-1 [1] clause 5.1. The type of number indicated in the Calling party number information element sent to the network shall be coded as:  • "unknown", where the number sent is not a full ISDN number (including at least the multiple subscriber number). National and international prefixes shall not be included;  • "subscriber number", "national number" or "international number", where the full appropriate ISDN number is sent.  The "numbering plan identification" field of the Calling party number information element shall be coded either "unknown" or "ISDN/telephony numbering plan.	
Parameter values:		
Comments:		

# 6.2.3 Test purposes for ISDN-ISDN, B-channel end-to-end performance

300101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Speech/300	0101
Selection criteria:		
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
Parameter values:	BC = speech	
Comments:		

300201	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 289 [21]
TSS reference:	ISDN-ISDN/B-channel/UDI/300201	
Selection criteria:		
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hours period:  - the number of eroded seconds shall be less than 5 324;  - the number of severely eroded seconds shall be less than 105;  - the number of octet slips shall be less than 5.	
Parameter values:	SETUP: BC = UDI, PRBS = 211-1	
Comments:	Each direction shall be tested separately	

300301	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Audio/3003	01
Selection criteria:		
Test purpose:	To ensure that 3,1 kHz signal trans	sfer on the B-channel is performed correctly.
Parameter values:	BC = 3,1 kHz audio	
Comments:		

300401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1]	ETSI EN 300 289 [21]	
TSS reference:	ISDN-ISDN/B-channel/UDI-TA/300	ISDN-ISDN/B-channel/UDI-TA/300401	
Selection criteria:			
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hours period:  - the number of eroded seconds shall be less than 5 324;  - the number of severely eroded seconds shall be less than 105;  - the number of octet slips shall be less than 5.		
Parameter values:	SETUP: BC = UDI/TA, PRBS = 211-1		
Comments:	Each direction shall be tested separately.		

# 6.2.4 Test purposes for ISDN-PSTN, Basic call

## 6.2.4.1 Successful-Speech

410101	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2  Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2  Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-PSTN/Basic_call/Successful/Speech/410101	
Selection criteria:		
Test purpose:	Ensure that the call establishment using <b>en-bloc</b> sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	CALL PROCEEDING:	
	ALERTING: PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band") or PI#2 (destination address is non-ISDN) CONNECT:	
Comments:	Numbering options	
	<ul> <li>only subscriber number (Type of Number =unknown)</li> </ul>	
	"0"+area code + subscriber number (Type of Number=unknown)	
	<ul> <li>"00"+ country code "+area code + subscriber number (Type of Number=unknown)</li> </ul>	
	only subscriber number (Type of Number=subscriber)	
	"0"+area code + subscriber number (Type of Number=subscriber)	
	<ul> <li>"00"+ country code "+area code + subscriber number (Type of Number=subscriber)</li> </ul>	
	<ul> <li>area code + subscriber number (Type of Number=national)</li> </ul>	
	<ul> <li>country code + area code + subscriber number (Type of Number=international)</li> </ul>	

410101A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Speech/410101A	
Selection criteria:	PSTN XML is not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call establishment using <b>en-bloc</b> sending is performed correctly.	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress	
	information may be available in-band")	
	ALERTING:	
	CONNECT:	
Comments:		

410102	ISDN reference to:	Other relevant references:
110102		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic call/Suc	
Selection criteria:	_	a are supported from the calling and called AGW/VGW
Test purpose:		shment using overlap sending is performed correctly. During
		ess indicator information element shall be returned to the
		lescription value #1 "call is not end-to-end ISDN" or #2
	"destination address is non	
Parameter values:	BC = speech, no HLC	
Comments:	Numbering options:	
	<ul> <li>only subscriber number (Type of Number =unknown)</li> </ul>	
	<ul> <li>"0"+area code + subscriber number (Type of Number=unknown)</li> </ul>	
	"00"+ country code "+area code + subscriber number (Type of	
	Number=unknown)	
	only subscriber number (Type of Number=subscriber)	
	"0"+area code + subscriber number (Type of Number=subscriber)	
	"00"+ country code "+area code + subscriber number (Type of	
	Number=subscriber)	
	<ul> <li>area code + subscriber number (Type of Number=national)</li> </ul>	
	country code + area code + subscriber number (Type of Number=international)	

410102A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], cause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succe	essful/Speech/410102A	
Selection criteria:	PSTN XML is not supported for	PSTN XML is not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call establishr	Ensure that the call establishment using <b>overlap sending</b> is performed correctly	
ISDN Parameter	SETUP: BC = speech, no HLC		
values calling user:	CALL PROCEEDING: PI#1 ("Call is not end-to-end ISDN: further call progress		
	information may be available in-band")		
	ALERTING:		
	CONNECT:		
Comments:			

	I		
410103	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succe	ISDN-PSTN/Basic_call/Successful/Speech/410103	
Selection criteria:			
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears		
	after answer		
Parameter values:	BC = speech, no HLC		
Comments:			

410104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Speech/410104	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears	
	after answer	
Parameter values:	BC = speech, no HLC	
Comments:		

410105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41]
		ETSI TS 183 036 [42]
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/Speech/410105
Selection criteria:		
Test purpose:	Ensure that the re-answer pr	ocedure is performed correctly when the called user clears
	and re-answers	·
Parameter values:	BC = speech, no HLC	
Comments:		

410106	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41]
	clauses 4.5.16 and 5.1.6	ETSI TS 183 036 [42]
TSS reference:	ISDN-PSTN/Basic_call/Successfu	l/Speech/410106
Selection criteria:		
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".	
Parameter values:	BC = speech, HLC = telephony	
Comments:		

#### 6.2.4.2 Successful-Audio

410201	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Successful	ISDN-PSTN/Basic_call/Successful/Audio/410201	
Selection criteria:			
Test purpose:	Ensure that the call establishment using en-bloc sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

410202	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Success	ISDN-PSTN/Basic_call/Successful/Audio/410202	
Selection criteria:			
Test purpose:	Ensure that the call establishment using overlap sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

410203	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Audio/410203	
Selection criteria:			
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer		
Parameter values:	BC = 3,1 kHz audio, no HLC	;	
Comments:			

410204	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Audio/410204	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears	
	after answer	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

410205	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 4.5.16 and 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Audio/410205	
Selection criteria:		
Test purpose:	Support of Telefax G2/G3: Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".	
Parameter values:	BC = 3,1 kHz audio, HLC = facsim	ile group 2/3
Comments:		

410206	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 4.5.18	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Audio/410206	
Selection criteria:			
Test purpose:	Support of voice band data via modem: Ensure that call establishment can be done with LLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, LLC = voice band data via modem		
Comments:			

#### 6.2.4.3 Successful-UDI/TA

410301	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Succe	essful/UDI-TA/410301
Selection criteria:	- Telephony UDI-TA teleservice - Fallback allowed.	
Test purpose:	Ensure that the call establishment is performed correctly when a telephony 7 kHz fallback allowed SETUP message is sent and interworking with PSTN occur.	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a HLC = telephony	

410302	ISDN reference to:	Other relevant references:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	cessful/UDI-TA/410302	
Selection criteria:	<ul> <li>Videotelephony teles</li> </ul>	service	
	<ul> <li>Fallback allowed</li> </ul>		
Test purpose:	Ensure that the call establishment is performed correctly when a videotelephony 7 kHz		
	fallback allowed SETUP message is sent and interworking with PSTN occurs.		
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC1 = telephony		
	HLC2 = videotelephony_ic		
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message		
	containing two BCs, with the first BC = speech and the second SETUP: BC =		
	UDI/TA, and two HLCs, with first HLC = telephony and the second		
	HLC = videotelephony_ic a	HLC = videotelephony_ic and not containing a LLC.	

## 6.2.4.4 Unsuccessful-Speech

420101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420101	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
Parameter values:	BC = speech	
Comments:		

420102	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420102	
Selection criteria:		
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned number".	
Parameter values:	BC = speech	-
Comments:		

420103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420103	
Selection criteria:		·
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
Parameter values:	BC = speech	
Comments:		

420104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420104	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #18 "no user responding" or cause value #19 "no answer from user (user alerted)".	
Parameter values:	BC = speech	
Comments:		

#### 6.2.4.5 Unsuccessful-UDI

420204	ICDN reference to:	Other relevant references	
420201	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI/420201	
Selection criteria:			
Test purpose:	Ensure that when the calling	user requests digital connectivity for a call to a PSTN user,	
	the network initiate call clearing to the calling user with cause value #63 "service or option		
	not available, unspecified" or cause value #65 "bearer capability not implemented".		
Parameter values:	SETUP: BC = UDI		
Comments:			

#### 6.2.4.6 Unsuccessful-audio

420301	ISDN reference to:	Other relevant references:
420301	1	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Audio/420301	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

420302	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [7], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Audio/420302	
Selection criteria:		
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned number".	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

420303	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Audio/420303	
Selection criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

420304	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Audio/420304	
Selection criteria:		
Test purpose:	Ensure that when the called F	PSTN user is ringing but not answering, the network initiate
	call clearing to the calling user with cause value #18 "no user responding" or cause value	
	#19 "no answer from user (user alerted)".	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

#### 6.2.4.7 Unsuccessful-UDI/TA

420401	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420401	
Selection criteria:	<ul><li>Telephony UDI-TA teleservice;</li><li>Fallback not allowed</li></ul>	
Test purpose:	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the network, the network shall initiate call clearing to the calling user with cause value #65 "bearer capability not implemented".	
Parameter values:		
Comments:	telephony 7 kHz fallback not allowed SETUP message: A SETUP message containing a single BCs with the SETUP: BC = UDI/TA and a single HLC = telephony	

420402	ISDN reference to:	Other relevant references:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420402	
Selection criteria:	- Videotelephony teleservice;		
	<ul> <li>Fallback not allowed</li> </ul>	•	
Test purpose:		Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to	
	the network, the network shall initiate call clearing to the calling user with cause value #65		
	"bearer capability not implemented".		
Parameter values:			
Comments:		ack not allowed SETUP message: A SETUP message DI/TA and a single HLC = videotelephony_ic	

420403	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420403	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed</li> </ul>		
Test purpose:	Ensure that, when calling to	Ensure that, when calling to unallocated number, the network initiate call clearing to the	
	calling user sending a DISCONNECT message containing a PI#8 and the cause value #1		
	"unassigned number".		
Parameter values:	SETUP: BC = UDI/TA, HLC	= telephony	
Comments:			

420404	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	ccessful/UDI-TA/420404	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>	. and an increase	
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause #17 "user busy".		
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony		
Comments:			

420405	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.8	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420405	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>		
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to		
	the calling user sending a DISCONNECT message containing a PI#8 and cause value		
	#18 "no user responding".		
Parameter values:	SETUP: BC = UDI/TA, HLC =	telephony	
Comments:			

400400	ICDN reference to:	Other relations references	
420406	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.2.5.4 and G.1.9	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	cessful/UDI-TA/420406	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>		
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate		
	call clearing sending a DISCONNECT message containing a PI#8 and to the calling user		
	and called user with cause val	ue #19 "no user responding (user alerted)".	
Parameter values:	SETUP: BC = UDI/TA, HLC =	SETUP: BC = UDI/TA, HLC = telephony	
Comments:			

420407	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.9, 5.3.2 and G.1.10	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucces	sful/UDI-TA/420407
Selection criteria:	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback not allowed.</li> </ul>	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating	cause value #21 "call rejected", the network initiate call
	clearing to the calling user sending a DISCONNECT message containing a PI#8 and the	
	cause value #21 "call rejected" to the calling user.	
Parameter values:	SETUP: BC = UDI/TA, HLC = tele	ephony
Comments:		

420408	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420408	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed</li> </ul>		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call		
	clearing to the calling user sending a DISCONNECT message containing a PI#8 and the		
	cause value #27 "destination out of order".		
Parameter values:	SETUP: BC = UDI/TA, HLC :	SETUP: BC = UDI/TA, HLC = telephony	
Comments:			

420409	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.2.2 and G.5.7	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420409	
Selection criteria:	<ul> <li>Telephony UDI-TA to</li> </ul>	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback not allowed</li> </ul>	•	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE		
		COMPLETE message indicating cause value #88 "called user not compatible", the	
	network transport the cause value to the calling user.		
Parameter values:	SETUP: BC = UDI/TA, HLC :	= telephony	
Comments:			

420440	ICDN reference to:	Other relevant references	
420410	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420410	
Selection criteria:	Multipoint configuration for th	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network the network initiate call clearing to the calling		
	user sending a DISCONNEC	user sending a DISCONNECT message containing a PI#8 and the cause value #16	
	"normal call clearing" to the o	called user.	
Parameter values:	SETUP: BC = UDI/TA, HLC :	= telephony	
Comments:			

420411	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420411
Selection criteria:	<ul><li>Telephony UDI-TA te</li><li>Fallback allowed</li></ul>	eleservice;
Test purpose:	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the network, the network shall initiate call clearing to the calling user with cause value #65 "bearer capability not implemented".	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

420412	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic call/Unsuc	
Selection criteria:	<ul><li>Videotelephony telesor</li><li>Fallback allowed.</li></ul>	
Test purpose:	Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to the network, the network shall initiate call clearing to the calling user with cause value #65 "bearer capability not implemented".	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

420413	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420413
Selection criteria:	- Telephony UDI-TA te	eleservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:		unallocated number, the network initiate call clearing to the
		ONNECT message containing a PI#8 and the cause value #1
	"unassigned number".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420414	ISDN reference to:	Other relevant references:
120111	ETSI EN 300 403-1 [1].	ETSI TS 183 043 [41], clause 5.3.5.5
	L 3'	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420414
Selection criteria:	- Telephony UDI-TA to	eleservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE	
		lue #17 "user busy", the network initiate call clearing to the
		ONNECT message containing a PI#8 and the cause #17
	"user busy".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420415	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.1.4 and G.1.8	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420415
Selection criteria:	- Telephony UDI-TA te	eleservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:		user is not responding, the network initiate call clearing to SCONNECT message containing a PI#8 and cause value
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420416	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.2.5.4 and G.1.9	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucc	cessful/UDI-TA/420416
Selection criteria:	- Telephony UDI-TA tele	eservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:		om the called user (but user alerted), the network initiate NNECT message containing a PI#8 and to the calling user
	and called user with cause value	ue #19 "no user responding (user alerted)".
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420417	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1.9, 5.3.2 and G.1.10	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucces	sful/UDI-TA/420417
Selection criteria:	- Telephony UDI-TA teleservice; - Fallback allowed.	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #21 "call rejected" to the calling user.	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	-
Comments:		

420418	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	cessful/UDI-TA/420418
Selection criteria:	- Telephony UDI-TA tele	eservice;
	- Fallback allowed.	
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #27 "destination out of order".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420419	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.2.2 and G.5.7	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	cessful/UDI-TA/420419
Selection criteria:	<ul> <li>Telephony UDI-TA tel</li> </ul>	eservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420420	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	ccessful/UDI-TA/420420	
Selection criteria:	Multipoint configuration for the	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #16 "normal call clearing" to the called user.		
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony		
Comments:			

# 6.2.5 Test purposes for ISDN-PSTN, Supplementary services

## 6.2.5.1 CLIP

510101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659-1 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/CLIP/TC510101	
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling	
	party number is correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

510102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659-1 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/CLIP/TC510102
Selection criteria:	The called user is provided with C	LIP.
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling	
	party number information element is network provided and correctly delivered to the	
	called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

510103	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-PSTN/Supplementary_	ISDN-PSTN/Supplementary_services/CLIP/510103	
Selection criteria:	- The called user is provided with CLIP.		
	<ul> <li>Special arrangement</li> </ul>	- Special arrangement applies.	
Test purpose:	Ensure that when a special arrangement applies and a Calling party number information element and a valid calling number is provided by the calling user, the Calling party number information element with the calling number, is delivered to the called (served)		
	user.		
Parameter values:	BC = PIXIT		
Comments:			

## 6.2.5.2 CLIR

510201	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI EN 300 001 [30] ETSI ETS 300 648 [31] ETSI EN 300 659-1 [32] ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/CLIP/TC510201	
Selection criteria:	<ul><li>the called user is provided with CLIP;</li><li>the calling user is provided with CLIR.</li></ul>	
Test purpose:	The calling user is provided with CLIR permanent mode subscription.  Ensure that when the Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

E40000	ICDN reference to:	Other relevant references	
510202	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]	
		ETSI ETS 300 648 [31]	
		ETSI EN 300 659-1 [32]	
		ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Supplementary	ISDN-PSTN/Supplementary_services/CLIP/TC510202	
Selection criteria:	<ul> <li>the called user is pro</li> </ul>	- the called user is provided with CLIP,	
	<ul> <li>the calling user is pre-</li> </ul>	ovided with CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription		
	Ensure that when no Calling	Ensure that when no Calling party subaddress is provided by the calling user the Calling	
	party number is not delivered to the called user.		
Parameter values:	BC = PIXIT		
Comments:			

510203	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-PSTN/Supplementary_services/CLIR/510203	
Selection criteria:	The calling user is provided with CLIR temporary (PIXIT table 23) mode subscription, the called user with CLIP.	
Test purpose:	Ensure that when the Calling party number is provided by the calling user, with Calling party subaddress, the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

**Table 23: PIXIT values of CLIRt** 

PIXIT VALUE	CLIRt
1	CLIRt (def=present) IE with PI=1 or PI=2
2	CLIRt (def=restrict) empty IE or PI=1 or PI=2

#### 6.2.5.3 COLP

510301	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 9.5.1 and 11	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/COLP/510301	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that the Connected number information element is network provided and correctly	
	delivered to the calling user or, if the PSTN does not support this service, the presentation	
	indicator indicate "number not available due to interworking".	
Parameter values:	BC = PIXIT, SI = NP	
Comments:		

#### 6.2.5.4 COLR

510401	ISDN reference to:	Other relevant references:		
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [5], clause 9.5.1		
	clauses 9.3.1, 9.4.1 and 11	ETSI TS 183 043 [41], clause 5.3.5.5		
		ETSI TS 183 036 [42], clause 5.1		
		ETSI EN 300 899-1 [37], clause 3.2		
		Recommendation ITU-T Q.699 [24], clause 3.2		
TSS reference:	SDN-PSTN/Supplementary_services/COLR/510401			
Selection criteria:	<ul> <li>the called PSTN user is provided with COLR;</li> </ul>			
	- the calling user is provided with COLP.			
Test purpose:	Ensure that the Connected number information element is network provided and			
	delivered to the calling user without any digit information or, if the PSTN does not support			
	this service, the presentation indicator indicate "number not available due to			
	interworking".			
Parameter values:	BC = PIXIT, (PI = PR), SI = NP, N	= unknown, NPI = unknown		
Comments:				

#### 6.2.5.5 CUG

510501	ISDN reference to:	Other relevant references:				
	ETSI EN 300 138-1 [7],					
	clauses 9.2.2 and 9.2.4					
TSS reference:	ISDN-PSTN/Supplementary_service	es/CUG/510501				
Selection criteria:	Orign.:CUG supplementary options	: not OA; not ocb; not Preference CUG				
	Term.: ISDN user is not member of	a CUG				
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is:					
	<ul> <li>not allowed;</li> </ul>					
	<ul> <li>not outgoing calls barred within the CUG; and</li> </ul>					
	<ul> <li>not preferential CUG and the called PSTN user is not member of a CUG,</li> </ul>					
	call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".					
Parameter values:	Orign.: BC = PIXIT; Facility IE with CUGCall invoke component:					
. G.GSto. Valuoo.	- OARequested set to TRUI					
	- CUG Index included	-				
Comments:						

510502	ISDN reference to:	Other relevant references:					
	ETSI EN 300 138-1 [7],						
	clauses 9.2.2 and 9.2.4						
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CUG/510502					
Selection criteria:	Orign.: The calling user belongs t	o a CUG with the following CUG supplementary options:					
	OA; not ocb; not Preference CUG						
	Term.: ISDN user is not member	Term.: ISDN user is not member of a CUG					
Test purpose:	Ensure that when the calling user belongs to a CUG with:						
	<ul> <li>outgoing access allowed</li> </ul>	- outgoing access allowed;					
	<ul> <li>not outgoing calls barred within the CUG and not preferential CUG; and</li> </ul>						
	- the called PSTN user is not member of a CUG,						
	call establishment is not possible and the network initiate call clearing to the calling user						
	with cause value 29 "Facility reject	cted", return error value "userNotMemberOfCUG".					
Parameter values:	BC = PIXIT; Facility IE with CUGCall invoke component:						
	<ul> <li>OARequested set to TR</li> </ul>	UE					
	<ul> <li>CUG Index included</li> </ul>						
Comments:							

510503	ISDN reference to:	Other relevant references:		
	ETSI EN 300 138-1 [7],			
	clauses 9.2.2 and 9.2.4			
TSS reference:	ISDN-PSTN/Supplementary_service	es/CUG/510503		
Selection criteria:	Orign.: The calling user belongs to			
	supplementary options: OA; not ocl	o; not Preference CUG		
	Term.: PSTN user is not member o	f a CUG		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not			
		G and not preferential CUG and the and the called		
		G, call establishment to a PSTN user is possible.		
Parameter values:	BC = PIXIT; Facility IE with CUGCa	Ill invoke component:		
	<ul> <li>OARequested set to TRUI</li> </ul>			
	<ul> <li>CUG Index not included</li> </ul>			
Comments:				

#### 6.2.5.6 CFU

#### 6.2.5.6.1 Signalling procedures at the coincident S and T reference point

#### 6.2.5.6.1.1 Signalling procedures between ISDN-PSTN-ISDN

510601	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-PSTN-ISDN/Supplementa	SDN-PSTN-ISDN/Supplementary_services/CFU/510601			
Selection criteria:	The user A and the user C are in with CFU	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU			
Test purpose:	Diverted-to user information para	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.			
Parameter values:	BC = PIXIT, CF active				
Comments:					

510602	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFU/510602			
ISDN selection criteria:				
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted-to user is busy.			
Parameter values:	CFU active			
Comments:				

#### 6.2.5.6.1.2 Signalling procedures between ISDN-PSTN-PSTN

510603	ISDN ref. to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
		ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-PSTN-PSTN/Supplementary_services/CFU/510603				
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided				
	with CFU.				
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the				
	Diverted-to user information parameters and Calling user information parameters are				
	correctly mapped according to the table 24.				
Parameter values:	BC = PIXIT, CF active				
Comments:					

510604	ISDN ref. to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-PSTN-PSTN/Supplementary_services/CFU/510604			
ISDN selection criteria:				
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted-to user is busy.			
Parameter values:	CFU active			
Comments:				

No transmission of numbers, nor notifications	NTN&NN
No transmission of numbers, notifications	NTN&N
transmission of numbers and notifications	TN&N

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Table 24: Overview of Call Forwarding parameters when the forwarding user and the forwarded to user have a S/T reference point

PIXIT Value	USER B and C are PSTN												
	Test number variable	1R (Note)	2R (Note)	3	4R (Note)	5	6R (Note)	7	8	9	10R (Note)	11	12
	Diverted-to user information parameters (User C)												
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Calling user has CLIRt (def=non-restricted) empty IE or PI=0	<mark>√</mark>				<b>V</b>				<b>√</b>			
3	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		√				√				<mark>√</mark>		
4	Calling user has CLIRt (def=restricted) IE with PI=0			<b>V</b>				<b>V</b>				<b>V</b>	
5	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				V				<b>V</b>				<b>V</b>
	Calling user information parameters (User A)												
	Notification to the user in dependency of the combination of PIXIT value User is notified of diversion and diverted-to number	NTN&N	NTN&N	NTN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&NN	NTN&NN	NTN&NN	NTN&NN
	COLP Number presented	No	No	No	Yes	No	No	No	No	No	No	No	No
6	Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	_√	√	<b>V</b>	<mark>√</mark>								
7	Subscription option: Calling user is notified of diversion: Yes, without diverted-to number					<b>V</b>	<mark>√</mark>	<b>V</b>	<b>V</b>				
8	Subscription option: Calling user is notified of diversion: No									√	<mark>√</mark>	<b>V</b>	V
9	Served user has COLRp	√				<b>V</b>				√			
10	Diverted-to user has COLRp		V				√				√		
11	11 Calling user has not COLP service			V				V				<b>√</b>	
12	Diverted-to user has not subscribed COLR	V		<b>√</b>	V	√		V	√	√		<b>√</b>	√ √
NOTE:	TE: The tests marked with R are recommended to be used as regression or interoperability tests.												

#### 6.2.5.7 CFB

#### 6.2.5.7.1 Signalling procedures at the coincident S and T reference point

#### 6.2.5.7.1.1 Signalling procedures between ISDN-PSTN-ISDN

510701	ISDN ref. to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
		ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-PSTN-ISDN/Supplementa	ISDN-PSTN-ISDN/Supplementary_services/CFB/510701			
Selection criteria:	The user A and the user C are i with CFB- UDUB.	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- UDUB.			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.				
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active			
Comments:					

510702	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-PSTN-ISDN/Supplementa	SDN-PSTN-ISDN/Supplementary_services/CFB/510702			
Selection criteria:	The user A and the user C are i with CFB- NDUB.	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- NDUB.			
Test purpose:	Diverted-to user information par	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.			
Parameter values:	BC = PIXIT, CF active				
Comments:					

510703	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFB/510703	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFB active	
Comments:		

#### 6.2.5.7.2 Signalling procedures between ISDN-PSTN-PSTN

510704	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-PSTN/Supplementary	/_services/CFB/510704
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- UDUB.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 24.	
Parameter values:	BC = PIXIT, CF active	
Comments:		·

510705	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFB/510705	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFB- NDUB.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 24.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFB/510706	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful if the diverted-to user is busy.	
ISDN parameter values:	CFB active	
Comments:		

#### 6.2.5.8 CFNR

#### 6.2.5.8.1 Signalling procedures at the coincident S and T reference point

#### 6.2.5.8.1.1 Signalling procedures between ISDN-PSTN-ISDN

510801	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PSTN-ISDN/Supplementary	ISDN-PSTN-ISDN/Supplementary_services/CFNR/510801	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided		
	with CFNR (option A, late release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the		
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 10.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

510802	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFNR/510802	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 10.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

510803	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFNR/510803	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

## 6.2.5.8.1.2 Signalling procedures between ISDN-PSTN-PSTN

510804	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PSTN-PSTN/Supplement	ISDN-PSTN-PSTN/Supplementary_services/CFNR/510804	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the		
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 24.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

510805	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PSTN-ISDN/Supplementa	ISDN-PSTN-ISDN/Supplementary_services/CFNR/510805	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate	e release).	
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 24.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

510806	ISDN ref. to:	Other relevant references:
		ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PSTN-ISDN/Supplementary_services/CFNR/510806	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

#### 6.2.5.9 UUS1

510901	ISDN reference to: ETSI EN 300 286-1 [10], clauses 11.2 and 9.1.1.1.2	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_services/UUS1/510901	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that when a User-user information element is included in the SETUP message sent from the calling user, call establishment can be done without User-user information.	
Parameter values:	BC = PIXIT	
Comments:		

510902	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clauses 11.2 and 9.1.1.1.2		
TSS reference:	ISDN-PSTN/Supplementary_serv	ices/UUS1/510902	
Selection criteria:	The calling (served) user is provide	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	initiate call clearing to the calling of	Ensure that when the calling user explicit request UUS1 indicating "required", the network initiate call clearing to the calling user indicating cause value #69 "requested facility not implemented" or cause value #29 "facility rejected", and a UUS service 1 rejection with	
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.5.10 CCBS

511001	ISDN reference to: Other relevant references:
	ETSI EN 300 138-1 [7] ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PSTN/Supplementary_services/CCBS/511001
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> </ul>
Test purpose:	Ensure that user A can establish a successful CCBS call setup a multipoint configuration exits.
Parameter values:	BC = PIXIT
Comments:	

511002	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511002
Selection criteria:		ng the CCBS supplementary service and this
	supplementary service is a	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	network B responds to the call with	eeding call state and in the CCBS Call init state, when an ALERTING: indication, user A receives an
	ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
Parameter values:	BC = PIXIT	
Comments:		

511003	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.2.1	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCBS/511003
Selection criteria:		ng the CCBS supplementary service and this
	supplementary service is a	vailable to user A.
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that when the network A is	in the call state N00 and CCBS Activated state the
	user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS Activated state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

511004	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.1.4.2	
TSS reference:	ISDN-PSTN/Supplementary_s	services/CCBS/511004
Selection criteria:	<ul> <li>OLE and DLE are sup</li> </ul>	porting the CCBS supplementary service and this
		e is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that when the network	A is in the call state N00 and CCBS free state the user can
	initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS free state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

511005	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_s	services/CCBS/511005	
Selection criteria:		porting the CCBS supplementary service and this	
	supplementary service	e is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.	
Test purpose:	Ensure that network A cannot	accept the CCBS request because the CCBS	
	supplementary service is not a	supplementary service is not available to the destination.	
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial".		

511006	ISDN reference to: Other relevant references: ETSI EN 300 138-1 [7] ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_services/CCBS/511006	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.	
Parameter values:	BC = PIXIT	
Comments:		

511007	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.2.2	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511007
Selection criteria:	<ul> <li>Network A and network B a this supplementary service</li> </ul>	are supporting the CCBS supplementary service and is available to user A.
	<ul><li>Signalling procedures at th</li><li>Recall option = PIXIT.</li></ul>	e coincident S and T reference point.
Test purpose:	Ensure that if network A cannot account network A shall suspend the CCBS	cept the request because no B-cannel can selected, 5 request at network B.
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

511008	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_se	ervices/CCBS/511008	
Selection criteria:	<ul> <li>Network A and network</li> </ul>	B are supporting the CCBS supplementary service and	
	this supplementary ser	vice is available to user A.	
	<ul> <li>Signalling procedures a</li> </ul>	at the coincident S and T reference point.	
	<ul> <li>The network option "Co</li> </ul>	CBS request retention" is set to "yes".	
Test purpose:		t establish the call because user B is busy again, network	
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.	for being not busy.	
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in th	e Outgoing Call Proceeding state and CCBS Call Init	
	State, if network B cannot estal	olish the call because user B is busy again, the network A	
	sends to user A a DISCONNECT: not containing a Facility information element with a		
	CCBSErase invoke component.		
	Network B shall resume monitoring user B for being not busy.		

511009	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references: ETSI EN 300 356-1 [18]
	clause 9.4.3.2	E131 EN 300 330-1 [10]
TSS reference:	ISDN-PSTN/Supplementary_ser	vices/CCBS/511009
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Network option "CCBS request retention" is set to "no".</li> <li>Multipoint configuration.</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing User A can activate the CCBS supplementary service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT: or RELEASE COMPLETE message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseReason encoded as "basic-call-failed.  User A can activate the CCBS supplementary service again.	

511010	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511010
Selection criteria:		are supporting the CCBS supplementary service and
	this supplementary service	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint configuration exists, and the T-CCBS3 expires, the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".	
Parameter values:	BC = PIXIT	
Comments:		

## 6.2.5.11 CCNR

511001	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	ISDN-PSTN/Supplementary_serv	ces/CCNR/511001	
Selection criteria:	supplementary service is - Signalling procedures at t - Recall option = PIXIT Point-to-multipoint configu	he coincident S and T reference point.  Iration applies.	
Test purpose:	Ensure that when user A has an ALERTING: indication received from network B, user A can activate CCNR and establish a successful CCNR call setup a point-to-multipoint configuration applies.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

511002	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_s	ervices/CCNR/511002
Selection criteria:	supplementary service	at the coincident S and T reference point.
Test purpose:	Ensure that when CCNR supplementary service is not activated and the call is cleared after ALERTING: has been sent to user A, user A can activate CCNR and establish a successful CCNR call setup if the point-to-multipoint configuration applies.	
Parameter values:	BC = PIXIT	
Comments:		

511003	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_	services/CCNR/511003	
Selection criteria:		pporting the CCNR supplementary service and this	
	supplementary service	ce is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	s at the coincident S and T reference point.	
Test purpose:	Ensure that user A in the call proceeding call state and in the CCNR Call init state, when network B has responded to the call with a CONNECT: indication, user A receives a CONNECT message.		
	Has the CCNR request not been deactivated, the user receives a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

511004	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_ser	vices/CCNR/511004	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> </ul>		
	- Signalling procedures at the coincident S and T reference point.		
Test purpose:	Ensure that when the network A is in the call state N00 and CCNR Activated state, the		
	user can initiate the deactivation procedure.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the user (when the network A is in the call state N00 and CCNR Activated state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component.		

511005	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_serv	vices/CCNR/511005	
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.		
	<ul> <li>Signalling procedures at</li> </ul>	the coincident S and T reference point.	
Test purpose:	Ensure that network A cannot ac	Ensure that network A cannot accept the CCNR request because the CCBS	
	supplementary service is not available to the destination.		
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCNR Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCNRRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial" or "longTermDenial".		

511006	ISDN reference to: Other relevant references: ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_services/CCNR/511006	
Selection criteria:	Network A and network B are supporting the CCNR supplementary service and this supplementary service is available to user A.     Signalling procedures at the coincident S and T reference point.	
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCNR processing.	
Parameter values:	BC = PIXIT	
Comments:		

511007	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511007
Selection criteria:	<ul> <li>Network A and network B a</li> </ul>	are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
	<ul> <li>Network A supports the specific</li> </ul>	ecific Recall option.
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can be selected,	
	network A shall suspend the CCNR request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the CCNR free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCNR request at network B.	

511008	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511008
Selection criteria:		are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
		e coincident S and T reference point.
	<ul> <li>Network A supports the glo</li> </ul>	
Test purpose:		cept the request because no B-cannel can selected,
		Alerting invoke component to user A and suspend the
	CCBS request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the call state N00 and CCNR free state, where a multipoint	
	configuration exits, on receipt of SETUP message containing Bearer capability	
	information element (s) from the original call and a Facility information element with a	
	CCBSCall invoke component including the CCBSReference from the previously sent	
	CCBSRemoteUserFree invoke component when no B-channels can be selected.	
	The network A sends FACILITY message (UI frame) containing a facility information	
	element with a CCBSStopAlerting invoke component including the same CCBSReference	
	value and a RELEASE COMPLETE with the cause #34 or #43 and moves to call state	
	N00. Furthermore, network A shall suspend the CCNR request at network B.	

511009	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511009	
Selection criteria:	<ul> <li>Network A and network B</li> </ul>	are supporting the CCNR supplementary service and	
	this supplementary service	is available to user A.	
		e coincident S and T reference point.	
	- The network option "CCBS request retention" is set to "yes".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, if network B cannot establish the call because user B is busy again,, the network A		
	sends to user A a DISCONNECT: not containing a Facility information element with a		
	CCBSErase invoke component.		
	Network B shall resume monitoring user B for being not busy.		

511030	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_services/CCNR/511030		
Selection criteria:	- Network A and network B are supporting the CCNR supplementary service and		
	this supplementary service	this supplementary service is available to user A.	
	- Signalling procedures at the coincident S and T reference point.		
	- Network option "CCBS request retention" is set to "no".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal call clearing User A can activate the CCNR supplementary		
	service again.		
Parameter values:	BC = PIXIT		
Comments:			

511031	ISDN reference to:	Other relevant references:	
011001		ETSI EN 300 356-1 [18]	
	clause 9.4.1.2	• •	
TSS reference:	ISDN-PSTN/Supplementary_service	s/CCNR/511031	
Selection criteria:	<ul> <li>Network A and network B are</li> </ul>	e supporting the CCNR supplementary service and	
	this supplementary service is	s available to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	<ul> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	expires, the network A sends to user	Ensure that the network A in the Null call state and CCNR Free state and the T-CCBS3 expires, the network A sends to user A a FACILITY message containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".	
Parameter values:	BC = PIXIT		
Comments:			

## 6.2.5.12 ECT

511201	ISDN reference to: ETSI EN 300 369-1 [19], clauses 9.2.1, 9.2.3 and 9.2.4	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_service	ces/ECT/511201
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> - <b>Call Held auxiliary state</b> and the call <b>A-C</b> is in the <b>Active call state</b> a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B. (user B and user C have presentation allowed - no COLR).	
Parameter values:	BC = PIXIT	
Comments:		·

511202	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	
	clauses 9.2.1, 9.2.3 and 9.2.4	
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/ECT/511202
Selection criteria:	ECT	
Test purpose:	C are in network N2. Ensure that when user A invokes I the call <b>A-C</b> is in the <b>Active call s</b> user B and user C is established a	vided with ECT using implicit linkage. User B and user ECT in which the call A-B is in the <b>Active call sate</b> and tate - <b>Call Held auxiliary state</b> , a connection between nd the calls A-B and A-C are released. The call nection is performed from user C. (user B and user C.R).
Parameter values:	BC = PIXIT	
Comments:		

511203	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/ECT/511203	
Selection criteria:	ECT		
Test purpose:	C are in network N2. Ensure that when user A invokes E Call Held auxiliary state and the o between user B and user C is es When network C receives a CON proceed with the basic call proce The call clearing procedure of the I	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.	
Parameter values:	BC = PIXIT		
Comments:			

511204	ISDN reference to:	Other relevant references:	
	ETSI EN 300 369-1 [19], clause 9		
TSS reference:	ISDN-PSTN/Supplementary_services/ECT/511204		
Selection criteria:	ECT		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> and the call <b>A-C</b> is in the <b>Call Delivered State</b> - <b>Call Held auxiliary state</b> , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.		
Parameter values:	BC = PIXIT		
Comments:			

## 6.2.5.13 HOLD

511301	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN/Supplementary_services/HOLD/511301	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511302	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-PSTN/Supplementary_services/HOLD/511302		
Selection criteria:	The calling user is provided w	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, and that the call can be released from		
	the called user in the held state.		
Parameter values:	BC = PIXIT		
Comments:			

511303	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN/Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call	
	hold, the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511304	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN/Supplementary_services/HOLD/511304	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call	
	hold, the call can be released from the calling user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.6 Test purposes for PSTN-ISDN, Basic call

## 6.2.6.1 Successful - PSTN

610101	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.2.6 and B.4	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610101	
Selection criteria:		
Test purpose:	Ensure that call is delivered to the called ISDN user with the Bearer capability information element indicating "3,1 kHz audio". During call establishment a Progress indicator information element shall be included in the SETUP message sent to the called user with progress description value #1 "call is not end-to-end ISDN" or #3 "origination address is non-ISDN".	
Parameter values:	SETUP: BC = 3,1 kHz audio	
Comments:		

610101A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5	
	clauses 5.2.6 and B.4	ETSI TS 183 036 [42], clause 5.1.2	
		ETSI EN 300 899-1 [37], clause 2.2	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PSTN-ISDN/Basic_call/Succ	PSTN-ISDN/Basic_call/Successful/610101A	
Selection criteria:	PSTN XML is not supported	PSTN XML is not supported from the <b>called</b> AGW/VGW	
Test purpose:	Ensure that call is delivered	Ensure that call is delivered to the called ISDN user with the Bearer capability information	
	element indicating "3,1 kHz	element indicating "3,1 kHz audio".	
Parameter values:	SETUP: BC = 3,1 kHz audio	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:			

610102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610102	
Selection criteria:		
Test purpose:	Ensure that the clearing proce	dure is performed correctly when the calling user clears the
	call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:		

610103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610103	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called ISDN user clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:		

610104	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successf	ul/610104
Selection criteria:	ISDN = point-to-point Configuration	on: with DDI;
	P-Early-Media header supporte	
Test purpose:	Ensure that the ISDN user receives a Call Proceeding message when the ISDN User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that an early dialogue is established by sending a 183 Session Progress Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 apply.</dynamic-pt>	
ISDN Parameter	SETUP: BC = 3,1 kHz audio; PI#	2
values called user:		

#### 6.2.6.2 Unsuccessful - PSTN

620101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620101	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is busy, the calling user receives in-band information that the called user is busy.	
Parameter values:		. 10 5 55 5 7
Comments:		

620102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620102	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user terminal is not connected, the calling user receives in-band announcement that the destination is out of order.	
Parameter values:		
Comments:		

620103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620103	
Selection criteria:		
Test purpose:	Ensure that when calling to unallocated ISDN number, the calling user receives in-band information that the called number is unallocated.	
Parameter values:		
Comments:		

620104	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2	
		ETSI EN 300 899-1 [37], clause 2.2	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:		PSTN-ISDN/Basic_call/Unsuccessful/620104	
Selection criteria:	Multipoint configuration for the called side.		
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a point-to-multipoint access configuration, the call is cleared.		
Parameter values:			
Comments:			

620105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620105	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is alerted by not answering before timer Q118	
	expires, the network initiate call clearing.	
Parameter values:		
Comments:		

620106	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620106	
Selection criteria:	Point-to-point configuration for the called side.	
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a	
	point-to-point access configuration, the call is cleared.	
Parameter values:		
Comments:		

# 6.2.7 Test purposes for PSTN-ISDN, Supplementary services

# 6.2.7.1 CLIP

710101	ISDN reference to: ETSI EN 300 092-1 [3],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.3				
	clauses 9.5.1 and 11					
TSS reference:	PSTN-ISDN/Supplementary_serv	PSTN-ISDN/Supplementary_services/CLIP/710101				
Selection criteria:	The called (served) user is provide	The called (served) user is provided with CLIP.				
Test purpose:	correctly delivered to the called IS	Ensure that the Calling party number information element is network provided and correctly delivered to the called ISDN user or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to interworking".				
Parameter values:	SI = NP, N = international (or N = unknown)					
Comments:						

#### 6.2.7.2 CLIR

710201	ISDN reference to:	Other relevant references:			
	ETSI EN 300 093-1 [4],	ETSI EN 300 092-1 [3], clause 9.5.1			
	clause 9.4.1	ETSI TS 183 036 [42], clause 5.2.3			
TSS reference:	PSTN-ISDN/Supplementary_service	es/CLIR/710201			
Selection criteria:	The calling (served) user is provided with CLIR, the called user with CLIP.				
Test purpose:	Ensure that the Calling party number information element is network provided and correctly delivered to the called user without any digit information or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to interworking".				
Parameter values:	SI = NP, (PI = PR), N = unknown, NPI = unknown				
Comments:					

#### 6.2.7.3 CFU

# 6.2.7.3.1 Signalling procedures between PSTN-ISDN-ISDN

710301		Other relevant references:		
	ETSI EN 300 207-1 [12]			
TSS reference:	PSTN-ISDN-ISDN/Supplementary_	_services/CFU/710301		
Selection criteria:	The user A and the user C are in P CFU.	STN. The user B is in the ISDN and is provided with		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.			
Parameter values:	CFU active			
Comments:				

710302	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PSTN-ISDN/Supplementary_services/CFU/710302		
ISDN selection criteria:			
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted-to user		
	is busy.	·	
ISDN parameter values:	CFU active		
Comments:			

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Table 25: Overview of Call Forwarding parameters when the forwarding user and the forwarded to user have a S/T reference point

PIXIT Value	USER B and C have S/T Interfaces												
	Test number variable	1R (Note)	2	3	4	5R (Note)	6R (Note)	7	8R (Note)	9R (Note)	10	11	12
	Diverted-to user information parameters (User C)												
	Notification to the user in dependency of the combination of PIXIT value		TN&N	TN&N	TN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N	NTN&N
1	Calling CLI presented to diverted-to user	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2	Subscription option: <b>Diverting</b> number is released to the diverted-to user: Yes	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>					<mark>√</mark>	<b>V</b>	<b>V</b>	<b>V</b>
3	Subscription option: <b>Diverting</b> number is released to the diverted-to user: No					<mark>۷</mark>	V	<b>V</b>	V				
4	Served user has CLIRp									√	V	V	$\vee$
5	5 Calling user has CLIRt (def=non-restricted) empty IE or PI=0					V				<mark>√</mark>			
	Calling user has CLIRt (def=non-restricted) IE with PI=1 or PI=2		<b>V</b>				√				<b>V</b>		
7	Calling user has CLIRt (def=restricted) IE with PI=0			V				V				<b>V</b>	
	Calling user has CLIRt (def=restricted) empty IE or PI=1 or PI=2				<b>V</b>				V				<b>V</b>
NOTE:	E: The tests marked with R are recommended to be used as regression or interoperability tests.												

## 6.2.7.3.2 Signalling procedures between PSTN-ISDN-PSTN

710303	ISDN reference to: Other rel	evant references:		
TSS reference:	PSTN-ISDN-PSTN/Supplementary_services	/CFU/710303		
Selection criteria:				
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Calling user information parameters are correctly mapped according to the table 26.			
Parameter values:	CFU active			
Comments:				

#### **Table 26: Overview of Call Forwarding parameters**

PIXIT Value	USER B and C has S/T Interfaces			
	Test number variable	1	2	3
	Diverted-to user information parameters (User C)			
	Notification to the user in dependency of the combination of PIXIT value	NA	NA	NA
	Calling CLI presented to diverted-to user	Yes	No	Yes
1	Served user has CLIRp			<b>√</b>
2	Calling user: CLIP	√		<b>V</b>
3	Calling user has CLIRt		<b>V</b>	

710304	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PSTN-ISDN-PSTN/Supplementary_services/CFU/710304		
ISDN selection criteria:			
Test purpose:	To verify that a call is released corr	rectly if CFU was not successful if the diverted-to user	
	is busy.		
ISDN parameter values:	CFU active		
Comments:			

#### 6.2.7.4 CFB

## 6.2.7.4.1 Signalling procedures between PSTN-ISDN-ISDN

710401	ISDN reference to: ETSI EN 300 207-1 [12]	Other relevant references:		
TSS reference:	PSTN-ISDN-ISDN/Supplementary_	services/CFB/710401		
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with CFB-UDUB.			
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-UDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.			
Parameter values:	CFB-UDUB active			
Comments:				

710402	ISDN reference to:	Other relevant references:			
	ETSI EN 300 207-1 [12]				
TSS reference:	PSTN-ISDN-ISDN/Supplementary_	services/CFB/710402			
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with CFB-NDUB.				
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-NDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.				
Parameter values:	CFB-NDUB active				
Comments:					

710403	ISDN reference to:	Other relevant references:			
	ETSI EN 300 207-1 [12]				
TSS reference:	PSTN-ISDN-ISDN/Supplementary_	services/CFB/710403			
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with				
	CFB-UDUB.	·			
Test purpose:	To verify that a call is released corr	ectly if the diverted-to user is busy.			
Parameter values:	CFB-NDUB active				
Comments:					

# 6.2.7.4.2 Signalling procedures between PSTN-ISDN-PSTN

710404	ISDN reference to:	Other relevant references:			
	ETSI EN 300 207-1 [12]				
TSS reference:	PSTN-ISDN-PSTN/Supplementary	_services/CFB/710404			
Selection criteria:	The user A and the user C are in P CFB-UDUB.	STN. The user B is in the ISDN and is provided with			
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-UDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 26.				
Parameter values:	CFB-UDUB active				
Comments:					

710405	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN-PSTN/Supplementary	_services/CFB/710405
Selection criteria:	The user A and the user C are in P CFB-NDUB.	STN. The user B is in the ISDN and is provided with
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-NDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 26.	
Parameter values:	CFB-NDUB active	
Comments:		

710406	ISDN reference to: CETSI EN 300 207-1 [12]	Other relevant references:
TSS reference:	PSTN-ISDN-PSTN/Supplementary_s	services/CFB/710406
Selection criteria:	The user A and the user C are in PS CFB-UDUB.	TN. The user B is in the ISDN and is provided with
Test purpose:	To verify that a call is released corre	ctly if the diverted-to user is busy.
Parameter values:	CFB-NDUB active	
Comments:		

#### 6.2.7.5 CFNR

## 6.2.7.5.1 Signalling procedures between PSTN-ISDN-ISDN

710501	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PSTN-ISDN-ISDN/Supplementary_services/CFNR/710501	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 25.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

710502	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PSTN-ISDN-ISDN/Supplementa	ary_services/CFNR/710502	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option B, immediate release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

710503	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PSTN-ISDN-ISDN/Supplementary_services/CFNR/710503	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	•
ISDN parameter values:	CFNR active	
Comments:		

# 6.2.7.5.2 Signalling procedures between PSTN-ISDN-PSTN

710504	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PSTN-ISDN-PSTN/Supplementary_services/CFNR/710504	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 26.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

710505	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PSTN-ISDN-PSTN/Supplement	PSTN-ISDN-PSTN/Supplementary_services/CFNR/710505	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the		
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 26.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

710506	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PSTN-ISDN-PSTN/Supplementary_services/CFNR/710506	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user is busy.	
ISDN parameter values:	CFNR active	
Comments:		

# 6.2.7.6 MCID

710601	ISDN reference to:	Other relevant references:
	ETSI EN 300 130-1 [14]	
TSS reference:	PSTN-ISDN/Supplementary_serv	ices/MCID/710601
Selection criteria:	Called user is provided with MCID	).
Test purpose:	Ensure that the call to an ISDN us	ser is registered when the MCID service is requested by
	the called user in the Active call s	tate.
Parameter values:		
Comments:		

## 6.2.7.7 CUG

710701	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	
	clause 9.2.3	
TSS reference:	PSTN-ISDN/Supplementary_	services/CUG/710701
Selection criteria:	Called user belongs to a CUG with incoming access not allowed and calling user is not member of the CUG.	
Test purpose:	Ensure that when the called ISDN user belongs to a CUG with incoming access "not allowed" and calling user is not member of the CUG, the call is not established.	
Parameter values:		
Comments:		

## 6.2.7.8 CCBS

710801	ISDN reference to: ETSI EN 300 138-1 [7]	Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary		
Selection criteria:	supplementary servi	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.		
Parameter values:			
Comments:			

710802	ISDN reference to: ETSI EN 300 138-1 [7]	Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_s	ervices/CCBS/710802	
Selection criteria:	supplementary service	supplementary service is available to user A.	
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.		
Parameter values:			
Comments:			

710803	ISDN reference to: Other relevant references:	
	ETSI EN 300 138-1 [7], ETSI EN 300 356-1 [18]	
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_services/CCBS/710803	
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is available to user A.	
	<ul> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that user A after the after the successful CCBS Activation procedure can initiate	
	the deactivation procedure.	
Parameter values:		
Comments:		

710804	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_service	es/CCBS/710804
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710805	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	PSTN-ISDN/Supplementary_	_services/CCBS/710805	
Selection criteria:	<ul> <li>OLE and DLE are su</li> </ul>	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is available to user A.		
	<ul> <li>Signalling procedure</li> </ul>	s at the T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the		
	deactivation procedure.		
Parameter values:			
Comments:			

710806	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_	services/CCBS/710806	
Selection criteria:	<ul> <li>OLE and DLE are su</li> </ul>	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service	supplementary service is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	s at the coincident S and T reference point.	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS		
	supplementary service is not available to the destination		
Parameter values:			
Comments:			

# 6.2.7.9 CCNR

710901	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	PSTN-ISDN/Supplementary_service	PSTN-ISDN/Supplementary_services/CCNR/710901	
Selection criteria:	supplementary service is a	supplementary service is available to user A.	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.		
Parameter values:			
Comments:			

710902	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CCNR/710902
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.	
Parameter values:		
Comments:		

710903	ISDN reference to: Other relevant references:	
T00 (	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710903	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that user A after the after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710904	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	PSTN-ISDN/Supplementary_ser	vices/CCNR/710904
Selection criteria:	supplementary service is	orting the CCNR supplementary service and this is available to user A. It is coincident S and T reference point at user B.
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710905	ISDN reference to: Other relevant references:	
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710905	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710906	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_service	es/CCNR/710906
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this	
	supplementary service is available to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCNR	
	supplementary service is not available to the destination.	
Parameter values:		
Comments:		

# 6.2.7.10 DDI

711001	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.2	
TSS reference:	PSTN-ISDN/Supplementary_service	es/DDI/711001
Selection criteria:	<ul><li>Overlap sending at user A.</li><li>DDI at user B.</li></ul>	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly when user B supports DDI.	
Parameter values:		
Comments:	The network in the call state N25 to indicate that an INFORMATION message received from the originating network contained a Called party number information element with the full ISDN number including DDI digits and a Sending complete information element is to be sent to the called user, transmits to user B an INFORMATION message with a valid Called party number information element with the numbering plan identification field set to "ISDN/telephony numbering plan" and type of number field set to "national number", "international number" or "subscriber number" with the full ISDN number including DDI digits contained in the number digits field.	

# 6.2.7.11 ECT

711101	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/711101
Selection criteria:		
Test purpose:	The ISDN User B is in network N2 and is provided with ECT using implicit linkage. The PLMN user A and the PLMN user C are in network N1.  Ensure that when user B invokes ECT in which the call A-B is in the <b>Active call state</b> - <b>Call Held auxiliary state</b> and the call <b>B-C</b> is in the <b>Active call state</b> a connection between user A and user C is established and the calls A-B and B-C are released. The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:		
Comments:		

711102	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/711102
Selection criteria:		
Test purpose:	PLMN user A and PLMN user C ar Ensure that when user B invokes E the call <b>B-C</b> is in the <b>Active call st</b>	CT in which the call A-B is in the <b>Active call sate</b> and ate - <b>Call Held auxiliary state</b> , a connection between nd the calls A-B and B-C are released. The call
Parameter values:		
Comments:		

711103	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/711103
Selection criteria:		
Test purpose:	that when user B invokes ECT in wauxiliary state and the call B-C is user A and user C is established network C receives a CONNECT with the basic call procedure for	and is provided with ECT using implicit linkage. Ensure which the call A-B is in the Active call state - Call Held in the Call Delivered State a connection between and the calls A-B and B-C are released. When message from user C, network C shall proceed the user C.  B-C connection is performed from user B.
Parameter values:		
Comments:		

711104	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	es/ECT/711104
Selection criteria:		
Test purpose:	that when user B invokes ECT in w B-C is in the Call Delivered State. A and user C is established and the receives a CONNECT message fro	and is provided with ECT using implicit linkage. Ensure hich the call A-B is in the <b>Active call state</b> and the call - <b>Call Held auxiliary state</b> , a connection between user e calls A-B and B-C are released. When network C arm user C, network C shall proceed with the basic call clearing procedure of the B-C connection is performed
Parameter values:		
Comments:		

#### 6.2.7.12 HOLD

		Ţ
711201	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PSTN -ISDN/Supplementary_services/HOLD/711201	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call	
	hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = PIXIT	
Comments:		

711202	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PSTN-ISDN/Supplementary_services/HOLD/711202		
Selection criteria:	The calling user is provided with HOLD.		
Test purpose:	Ensure that the calling user can initiate Call Hold the called remote user is notified of call		
	hold, and that the call can be released from the called user in the held state.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

711203	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PSTN-ISDN/Supplementary_	PSTN-ISDN/Supplementary_services/HOLD/711203	
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the called		
	user in the held state.		
Parameter values:	BC = PIXIT		
Comments:			

711204	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PSTN-ISDN/Supplementary_services/HOLD/711204	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the calling user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.8 Test purposes for PES - ISDN, Basic call

## 6.2.8.1 Successful - PES

810101	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5	
	clauses 5.2.6 and B.4	ETSI TS 183 036 [42], clause 5.1.2	
		ETSI EN 300 899-1 [37], clause 2.2	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PES-ISDN/Basic_call/Succe	PES-ISDN/Basic_call/Successful/810101	
Selection criteria:			
Test purpose:	element indicating "3,1 kHz information element shall be	Ensure that call is delivered to the called ISDN user with the Bearer capability information element indicating "3,1 kHz audio". During call establishment a Progress indicator information element shall be included in the SETUP message sent to the called user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	SETUP: BC = 3,1 kHz audio	y; PI#1 "call is not end-to-end ISDN"	
Comments:			

810101A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
	clauses 5.2.6 and B.4	ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810101A	
Selection criteria:	PSTN XML is not supported from the <b>called</b> AGW/VGW	
Test purpose:	Ensure that call is delivered to the called ISDN user with the Bearer capability information element indicating "3,1 kHz audio". During call establishment a Progress indicator information element shall be included in the SETUP message sent to the called user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		

810102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810102	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the	
	call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		

810103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810103	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called ISDN user clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		

810104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful	/810104
Selection criteria:	ISDN = point-to-point Configuration	
	P-Early-Media header supporte	ed in early dialogue
Test purpose:	Ensure that the ISDN user receives a Call Proceeding message when the ISDN User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that an early dialogue is established by sending a 183 Session Progress Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.	
ISDN Parameter	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
values called user:		

## 6.2.8.2 Unsuccessful - PES

820101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820101	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is busy, the calling user receives in-band information that the called user is busy.	
Parameter values:		-
Comments:		

820102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820102	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user terminal is not connected, the calling user	
	receives in-band announcement that the destination is out of order.	
Parameter values:		
Comments:		

820103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820103	
Selection criteria:		
Test purpose:	Ensure that when calling to unallocated ISDN number, the calling user receives in-band information that the called number is unallocated.	
Parameter values:		
Comments:		

820104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820104	
Selection criteria:	Multipoint configuration for the called side.	
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a	
	point-to-multipoint access configuration, the call is cleared.	
Parameter values:		
Comments:		

820105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820105	
Selection criteria:	Point-to-point configuration for the called side.	
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a	
	point-to-point access configuration, the call is cleared.	
Parameter values:		
Comments:		

820106	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820106	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is alerted by not answering before timer Q118	
	expires, the network initiate call clearing.	
Parameter values:		
Comments:		

# 6.2.9 Test purposes for PES-ISDN, Supplementary services

## 6.2.9.1 CLIP

910101	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI TS 183 036 [42], clause 5.2.3	
	clauses 9.5.1 and 11		
TSS reference:	PES-ISDN/Supplementary_servi	PES-ISDN/Supplementary_services/CLIP/910101	
Selection criteria:	The called (served) user is provide	The called (served) user is provided with CLIP.	
Test purpose:	Ensure that the Calling party number information element is network provided and correctly delivered to the called ISDN user or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to interworking".		
Parameter values:	SI = NP, N = international (or N = unknown)		
Comments:			

#### 6.2.9.2 CLIR

910201	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 092-1 [3], clause 9.5.1
	clause 9.4.1	ETSI TS 183 036 [42], clause 5.2.3
TSS reference:	PES-ISDN/Supplementary_service	s/CLIR/910201
Selection criteria:	The calling (served) user is provided with CLIR, the called user with CLIP.	
Test purpose:	Ensure that the Calling party number information element is network provided and correctly delivered to the called user without any digit information or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to interworking".	
Parameter values:	SI = NP, (PI = PR), N = unknown, NPI = unknown	
Comments:		

#### 6.2.9.3 CFU

## 6.2.9.3.1 Signalling procedures between PES-ISDN-ISDN

910301	ISDN reference to: ETSI EN 300 207-1 [12]	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_s	services/CFU/910301
Selection criteria:	The user A and the user C a CFU.	re in PSTN. The user B is in the ISDN and is provided with
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.	
Parameter values:	CFU active	
Comments:		

910302	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
		Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PSTN-ISDN-ISDN/Supplementary_services/CFU/910302	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted-to user is busy.	
ISDN parameter values:	CFU active	
Comments:		

## 6.2.9.3.2 Signalling procedures between PES-ISDN-PES

710303	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN-PES/Supplement	ary_services/CFU/710303
Selection criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Calling user information parameters are correctly mapped according to the table 26.	
Parameter values:	CFU active	
Comments:		

710304	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PES-ISDN-PSTN/Supplementary_services/CFU/710304	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFU active	
Comments:		

#### 6.2.9.4 CFB

## 6.2.9.4.1 Signalling procedures between PES-ISDN-ISDN

910401	ISDN reference to: ETSI EN 300 207-1 [12]	Other relevant references:	
TSS reference:	PES-ISDN-ISDN/Supplementa	ry_services/CFB/910401	
Selection criteria:	The user A and the user C are CFB-UDUB.	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with CFB-UDUB.	
Test purpose:	Ensure that when user A calls Diverted-to user information pa	The ISDN user B is in network N2 and is provided with CFB-UDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.	
Parameter values:	CFB-UDUB active		
Comments:			

910402	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PES-ISDN-ISDN/Supplementary_s	ervices/CFB/910402	
Selection criteria:	The user A and the user C are in P	STN. The user B is in the ISDN and is provided with	
	CFB-NDUB.		
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-NDUB.		
	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the		
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 25.		
Parameter values:	CFB-NDUB active		
Comments:			

910403	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN-ISDN/Supplementary_	services/CFB/910403
Selection criteria:	The user A and the user C are in P CFB-UDUB.	STN. The user B is in the ISDN and is provided with
Test purpose:	To verify that a call is released corr	rectly if the diverted-to user is busy.
Parameter values:	CFB-NDUB active	
Comments:		

# 6.2.9.4.2 Signalling procedures between PES-ISDN-PES

910404	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN-PES/Supplementary_services/CFB/910404	
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided v CFB-UDUB.	with
Test purpose:	The ISDN user B is in network N2 and is provided with CFB-UDUB.  Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 26.	
Parameter values:	CFB-UDUB active	
Comments:		

910405	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PES-ISDN-PES/Supplementar	y_services/CFB/910405	
Selection criteria:	The user A and the user C are	in PSTN. The user B is in the ISDN and is provided with	
	CFB-NDUB.		
Test purpose:		The ISDN user B is in network N2 and is provided with CFB-NDUB.	
		Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
		Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 26.		
Parameter values:	CFB-NDUB active		
Comments:			

910406	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN-PES/Supplementary_se	ervices/CFB/910406
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with	
	CFB-UDUB.	
Test purpose:	To verify that a call is released corr	ectly if the diverted-to user is busy.
Parameter values:	CFB-NDUB active	
Comments:		

#### 6.2.9.5 CFNR

## 6.2.9.5.1 Signalling procedures between PES-ISDN-ISDN

910501	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PES-ISDN-ISDN/Supplementar	PES-ISDN-ISDN/Supplementary_services/CFNR/910501	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option A, late release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

910502	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PES-ISDN-ISDN/Supplementary_services/CFNR/910502	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option B, immediate release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 25.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

910503	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PES-ISDN-ISDN/Supplementary_services/CFNR/910503	
ISDN selection criteria:		
Test purpose:	To verify that a call is released corr	rectly if CFNR was not successful if the diverted-to user
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

# 6.2.9.5.2 Signalling procedures between PES-ISDN-PES

910504	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PES-ISDN-PES/Supplementary	PES-ISDN-PES/Supplementary_services/CFNR/910504	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release	with CFNR (option A, late release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the		
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 26.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

910505	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	PES-ISDN-PSTN/Supplemental	PES-ISDN-PSTN/Supplementary_services/CFNR/910505	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate	with CFNR (option B, immediate release)	
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 26.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

910506	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	PES-ISDN-PES/Supplementary_services/CFNR/910506	
ISDN selection criteria:		
Test purpose:	To verify that a call is released corr	rectly if CFNR was not successful if the diverted-to user
	is busy.	·
ISDN parameter values:	CFNR active	
Comments:		

## 6.2.9.6 MCID

910601	ISDN reference to:	Other relevant references:
	ETSI EN 300 130-1 [14]	
TSS reference:	PES-ISDN/Supplementary_service	s/MCID/910601
Selection criteria:	Called user is provided with MCID.	
Test purpose:	Ensure that the call to an ISDN user is registered when the MCID service is requested by the called user in the Active call state.	
	the dalled user in the Active dail state.	
Parameter values:		
Comments:		

#### 6.2.9.7 CUG

910701	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	
	clause 9.2.3	
TSS reference:	PES-ISDN/Supplementary_service	es/CUG/910701
Selection criteria:	Called user belongs to a CUG with incoming access not allowed and calling user is not member of the CUG.	
Test purpose:	Ensure that when the called ISDN user belongs to a CUG with incoming access "not allowed" and calling user is not member of the CUG, the call is not established.	
Parameter values:		
Comments:		

#### 6.2.9.8 CCBS

910801	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PES-ISDN/Supplementary_serv	PES-ISDN/Supplementary_services/CCBS/910801	
Selection criteria:	<ul> <li>OLE and DLE are supp</li> </ul>	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service	supplementary service is available to user A.	
	<ul> <li>Signalling procedures a</li> </ul>	- Signalling procedures at the <b>coincident S and T reference point at user B</b> .	
Test purpose:	Ensure that user A after the suc	Ensure that user A after the successful CCBS Activation can establish a successful	
	CCBS call to user B.		
Parameter values:			
Comments:			

910802	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PES-ISDN/Supplementary_serv	PES-ISDN/Supplementary_services/CCBS/910802	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at user B.</li> </ul>		
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.		
Parameter values:			
Comments:			

910803	ISDN reference to: ETSI EN 300 138-1 [7], clause 9.2.1	Other relevant references: ETSI EN 300 356-1 [18]
TSS reference:	PES-ISDN/Supplementary_servic	es/CCBS/910803
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that user A after the after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

910804	ISDN reference to: ETSI EN 300 138-1 [7], clause 9.2.1  Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	PES-ISDN/Supplementary_services/CCBS/910804	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

910805	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	PSTN-ISDN/Supplementary_s	ervices/CCBS/910805	
Selection criteria:	<ul> <li>OLE and DLE are sup</li> </ul>	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is available to user A Signalling procedures at the T reference point at user B.		
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

910806	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary	PSTN-ISDN/Supplementary_services/CCBS/910806	
Selection criteria:		upporting the CCBS supplementary service and this	
	supplementary servi	supplementary service is available to user A.	
	- Signalling procedures at the coincident S and T reference point.		
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS		
	supplementary service is not available to the destination.		
Parameter values:			
Comments:			

## 6.2.9.9 CCNR

910901	ISDN reference to: Other relevant references: ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/910901	
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.     Signalling procedures at the coincident S and T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.	
Parameter values:		
Comments:		

910902	ISDN reference to: O'ETSI EN 301 065-1 [29]	ther relevant references:	
		00117/01000	
TSS reference:	PES-ISDN/Supplementary_services/0	CCNR/910902	
Selection criteria:		o = = and = = = and o depoining and o or in touppionionian, o or into and and	
	supplementary service is avai	supplementary service is available to user A.	
	- Signalling procedures at the 1	T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful		
	CCNR call to user B.		
Parameter values:			
Comments:			

910903	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	PES-ISDN/Supplementary_serv	PES-ISDN/Supplementary_services/CCNR/910903	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>		
Test purpose:	Ensure that user A after the after the successful CCNR Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

910904	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_service	es/CCNR/910904
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.     Signalling procedures at the coincident S and T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

910905	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	PES-ISDN/Supplementary_serv	ices/CCNR/910905	
Selection criteria:		OLE and DLE are supporting the CCNR supplementary service and this	
	supplementary service is	supplementary service is available to user A.	
	<ul> <li>Signalling procedures at</li> </ul>	the T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

910906	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	PES-ISDN/Supplementary_serv	ces/CCNR/910906	
Selection criteria:		OLE and DLE are supporting the CCNR supplementary service and this	
	supplementary service is available to user A.		
	<ul> <li>Signalling procedures at</li> </ul>	the coincident S and T reference point.	
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCNR		
	supplementary service is not available to the destination.		
Parameter values:			
Comments:			

# 6.2.9.10 DDI

911001	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.1.5.2	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_service	s/DDI/911001
Selection criteria:	<ul><li>Overlap sending at user A.</li><li>DDI at user B.</li></ul>	
Test purpose:	Ensure that call establishment usin supports DDI.	g overlap sending is performed correctly when user B
Parameter values:		
Comments:	The network in the call state N25 to indicate that an INFORMATION message received from the originating network contained a Called party number information element with the full ISDN number including DDI digits and a Sending complete information element is to be sent to the called user, transmits to user B an INFORMATION message with a valid Called party number information element with the numbering plan identification field set to "ISDN/telephony numbering plan" and type of number field set to "national number", "international number" or "subscriber number" with the full ISDN number including DDI digits contained in the number digits field.	

## 6.2.9.11 ECT

911101	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_service	s/ECT/911101
Selection criteria:		
Test purpose:	PLMN user A and the PLMN user Ensure that when user B invokes E Call Held auxiliary state and the between user A and user C is esta	and is provided with ECT using implicit linkage. The C are in network N1.  ECT in which the call A-B is in the Active call state - call B-C is in the Active call state a connection blished and the calls A-B and B-C are released. The connection is performed from user B.
Parameter values:		
Comments:		

911102	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PES-ISDN/Supplementary_service	s/ECT/911102
Selection criteria:		
Test purpose:	PLMN user A and PLMN user C ar Ensure that when user B invokes E the call <b>B-C</b> is in the <b>Active call st</b>	CT in which the call A-B is in the <b>Active call sate</b> and ate - <b>Call Held auxiliary state</b> , a connection between nd the calls A-B and B-C are released. The call
Parameter values:		
Comments:		

911103	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PES-ISDN/Supplementary_service	s/ECT/911103
Selection criteria:		
Test purpose:	that when user B invokes ECT in wauxiliary state and the call B-C is user A and user C is established network C receives a CONNECT with the basic call procedure for	and is provided with ECT using implicit linkage. Ensure thich the call A-B is in the Active call state - Call Held in the Call Delivered State a connection between and the calls A-B and B-C are released. When message from user C, network C shall proceed the user C.  B-C connection is performed from user B.
Parameter values:		
Comments:		

911104	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/911104
Selection criteria:		
Test purpose:	that when user B invokes ECT in w B-C is in the Call Delivered State A and user C is established and the receives a CONNECT message from	and is provided with ECT using implicit linkage. Ensure thich the call A-B is in the <b>Active call state</b> and the call - <b>Call Held auxiliary state</b> , a connection between user e calls A-B and B-C are released. When network C im user C, network C shall proceed with the basic call clearing procedure of the B-C connection is performed
Parameter values:		
Comments:		

## 6.2.9.12 HOLD

911201	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PES-ISDN/Supplementary_services/HOLD/911201		
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call		
	hold and that the call can be released from the calling user during the held state.		
Parameter values:	BC = PIXIT		
Comments:			

911202	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PES-ISDN/Supplementary_services/HOLD/911202	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold the called remote user is notified of call hold, and that the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

911203	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PES-ISDN/Supplementary_services/HOLD/911203	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the called	
	user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

911204	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PES-ISDN/Supplementary_s	PES-ISDN/Supplementary_services/HOLD/911204	
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the calling		
	user in the held state.		
Parameter values:	BC = PIXIT		
Comments:			

# 6.2.10 Test purposes for ISDN-PES, Basic call

# 6.2.10.1 Successful-Speech

1010101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010101	
Selection criteria:	PSTN XML and early media are supported from the calling AGW/VGW	
Test purpose:	Ensure that the call establishment using en-bloc sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = speech, no HLC	
Comments:		

1010101A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010101A	
Selection criteria:	PSTN XML is not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call establishment using en-bloc sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = speech, no HLC	
Comments:		

1010102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010102	
Selection criteria:	PSTN XML and early media are supported from the calling AGW/VGW	
Test purpose:	Ensure that the call establishment using overlap sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = speech, no HLC	
Comments:		

	T	
1010103	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010103	
Selection criteria:		
Test purpose:	Ensure that the clearing proc	edure is performed correctly when the calling user clears
	after answer.	
Parameter values:	BC = speech, no HLC	
Comments:		

1010104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010104	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears	
	after answer.	·
Parameter values:	BC = speech, no HLC	
Comments:		

1010105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41]
		ETSI TS 183 036 [42]
TSS reference:	ISDN-PES/Basic_call/Succe	ssful/Speech/1010105
Selection criteria:		
Test purpose:	Ensure that the re-answer prand re-answers.	rocedure is performed correctly when the called user clears
Parameter values:	BC = speech, no HLC	
Comments:	·	

1010106	ISDN reference to: ETSI EN 300 403-1 [1], clauses 4.5.16 and 5.1.6	Other relevant references: ETSI TS 183 043 [41] ETSI TS 183 036 [42]
TSS reference:	ISDN-PES/Basic_call/Successfu	
Selection criteria:		•
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = speech, HLC = telephony	
Comments:		

#### 6.2.10.2 Successful-Audio

1010201	ISDN reference to:	Other relevant references:		
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5		
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1		
		ETSI EN 300 899-1 [37], clause 3.2		
		Recommendation ITU-T Q.699 [24], clause 3.2		
TSS reference:	ISDN-PES/Basic_call/Succe	ISDN-PES/Basic_call/Successful/Audio/1010201		
Selection criteria:				
Test purpose:	call establishment a Progres	nment using en-bloc sending is performed correctly. During s indicator information element shall be returned to the escription value #1 "call is not end-to-end ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC	BC = 3,1 kHz audio, no HLC		
Comments:				

1010202	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Succe	ISDN-PES/Basic_call/Successful/Audio/1010202	
Selection criteria:			
Test purpose:	Ensure that the call establishment using overlap sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

1010203	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010203	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears	
	after answer.	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

1010204	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010204		
Selection criteria:			
Test purpose:	Ensure that the clearing prod	Ensure that the clearing procedure is performed correctly when the called user clears	
	after answer		
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

1010205	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 4.5.16 and 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010205	
Selection criteria:		
Test purpose:	Support of Telefax G2/G3: Ensure	that call establishment can be done with HLC. During
	call establishment a Progress indicator information element shall be returned to the	
	calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = 3,1 kHz audio, HLC = facsimile group 2/3	
Comments:		

1010206	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 4.5.18	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010206	
Selection criteria:		
Test purpose:	Support of voice band data via mod	dem: Ensure that call establishment can be done with
	LLC. During call establishment a Progress indicator information element shall be returned	
	to the calling user with progress description value #1 "call is not end-to-end ISDN".	
Parameter values:	BC = 3,1 kHz audio, LLC = voice band data via modem	
Comments:		

## 6.2.10.3 Successful-UDI/TA

1010301	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/U	
Selection criteria:	Telephony UDI-TA teleser     Fallback allowed.	
Test purpose:	Ensure that the call establishment is performed correctly when a telephony 7 kHz fallback allowed SETUP message is sent and interworking with PSTN occur.	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, a HLC = telephony	

1010302	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Succe	essful/UDI-TA/1010302
Selection criteria:	<ul><li>Videotelephony tele</li><li>Fallback allowed.</li></ul>	eservice;
Test purpose:	Ensure that the call establishment is performed correctly when a videotelephony 7 kHz fallback allowed SETUP message is sent and interworking with PSTN occurs.	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC1 = telephony HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second SETUP: BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

# 6.2.10.4 Unsuccessful-Speech

1020101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020101	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
Parameter values:	BC = speech	
Comments:		

1020102	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020102	
Selection criteria:		
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned number".	
Parameter values:	BC = speech	-
Comments:		

1020103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020103	
Selection criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
Parameter values:	BC = speech	
Comments:		

1020104	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020104	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN	user is ringing but not answering, the network initiate
		cause value #18 "no user responding" or cause value
	#19 "no answer from user (user ale	erted)".
Parameter values:	BC = speech	
Comments:		

#### 6.2.10.5 Unsuccessful-UDI

1020201	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI/1020201	
Selection criteria:		
Test purpose:	Ensure that when the calling user	requests digital connectivity for a call to a PSTN user,
	the network initiate call clearing to the calling user with cause value #63 "service or option	
	not available, unspecified" or cause value #65 "bearer capability not implemented".	
Parameter values:	SETUP: BC = UDI	
Comments:		

#### 6.2.10.6 Unsuccessful-audio

1020301	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020301	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

1020302	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020302	
Selection criteria:		
Test purpose:		a unallocated PSTN number, the network initiate call clearing
	to the calling user with cause value #1 "unassigned number".	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

1020303	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/Audio/1020303	
Selection criteria:			
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.		
Parameter values:	BC = 3,1 kHz audio		
Comments:			

1020304	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/Audio/1020304	
Selection criteria:			
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #18 "no user responding" or cause value #19 "no answer from user (user alerted)".		
Parameter values:	BC = 3,1 kHz audio		
Comments:			

#### 6.2.10.7 Unsuccessful-UDI/TA

1020401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	cessful/UDI-TA/1020401	
Selection criteria:	<ul> <li>Telephony UDI-TA to</li> </ul>	- Telephony UDI-TA teleservice;	
	- Fallback not allowed.		
Test purpose:	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the network, the network shall initiate call clearing to the calling user with cause value #65 "bearer capability not implemented".		
Parameter values:			
Comments:	telephony 7 kHz fallback not allowed SETUP message: A SETUP message containing a single BCs with the SETUP: BC = UDI/TA and a single HLC = telephony.		

1020402	ISDN reference to:	Other relevant references:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020402		
Selection criteria:	- Videotelephony teleservice;		
	<ul> <li>Fallback not allowed</li> </ul>		
Test purpose:	Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to		
	the network, the network shall initiate call clearing to the calling user with cause value #65		
	"bearer capability not implemented".		
Parameter values:			
Comments:	videotelephony 7 kHz fallback not allowed SETUP message: A SETUP message		
	containing a single SETUP: BC = UDI/TA and a single HLC = videotelephony_ic.		

1020403	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020403	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed</li> </ul>	•	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the		
	calling user sending a DISCONNECT message containing a PI#8 and the cause value #1		
	"unassigned number".		
Parameter values:	SETUP: BC = UDI/TA, HLC :	= telephony	
Comments:			

1020404	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020404	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause #17 "user busy".		
Parameter values:	SETUP: BC = UDI/TA, HLC =	SETUP: BC = UDI/TA, HLC = telephony	
Comments:			

1020405	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.4 and G.1.8	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020405	
Selection criteria:	- Telephony UDI-TA teleservice;	
	- Fallback not allowed.	
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to	
	the calling user sending a DISCONNECT message containing a PI#8 and cause value	
	#18 "no user responding".	
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony	
Comments:		

1020406	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.2.5.4 and G.1.9	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucce	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020406	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>	- Fallback not allowed.	
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate		
	call clearing sending a DISCONNECT message containing a PI#8 and to the calling user		
	and called user with cause value #19 "no user responding (user alerted)".		
Parameter values:	SETUP: BC = UDI/TA, HLC =	SETUP: BC = UDI/TA, HLC = telephony	
Comments:			

1020407	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1.9, 5.3.2 and G.1.10	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020407	
Selection criteria:	- Telephony UDI-TA teleservice;	
	- Fallback not allowed.	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #21 "call rejected" to the calling user.	
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony	
Comments:		

1020408	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020408	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call		
	clearing to the calling user sending a DISCONNECT message containing a PI#8 and the		
	cause value #27 "destination out of order".		
Parameter values:	SETUP: BC = UDI/TA, HLC =	SETUP: BC = UDI/TA, HLC = telephony	
Comments:			

1020409	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.2.2 and G.5.7	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucce	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020409	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback not allowed.</li> </ul>		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE		
	COMPLETE message indicating cause value #88 "called user not compatible", the		
	network transport the cause value to the calling user.		
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony		
Comments:			

1020410	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause G.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/1020410	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #16 "normal call clearing" to the called user.	
Parameter values:	SETUP: BC = UDI/TA, HLC = telephony	
Comments:		

1020411	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuccessf	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020411	
Selection criteria:	Telephony UDI-TA teleservice;     Fallback allowed		
Test purpose:	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the network, the network shall initiate call clearing to the calling user with cause value #65 "bearer capability not implemented".		
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony		
Comments:			

1020412	ISDN reference to:	Other relevant references:	
1020112	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020412	
Selection criteria:	<ul> <li>Videotelephony teles</li> </ul>	- Videotelephony teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:		Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to	
	the network, the network shall initiate call clearing to the calling user with cause value #65		
	"bearer capability not implem	nented".	
Parameter values:	! SETUP	! SETUP	
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1020413	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsucc	essful/UDI-TA/1020413
Selection criteria:	<ul> <li>Telephony UDI-TA tel</li> </ul>	eservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #1 "unassigned number".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020414	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020414		
Selection criteria: - Telephony UDI-TA tele		rvice;	
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause #17 "user busy".		
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1000115	IODNI (	
1020415	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.4 and G.1.8	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020415	
Selection criteria:	<ul> <li>Telephony UDI-TA te</li> </ul>	eleservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:		user is not responding, the network initiate call clearing to
	the calling user sending a DIS	SCONNECT message containing a PI#8 and cause value
	#18 "no user responding".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020416	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 5.2.5.4 and G.1.9	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020416		
Selection criteria:	n criteria: - Telephony UDI-TA teleservice;		
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate call clearing sending a DISCONNECT message containing a PI#8 and to the calling user and called user with cause value #19 "no user responding (user alerted)".		
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1020417	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1.9, 5.3.2 and G.1.10	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessfu	ul/UDI-TA/1020417
Selection criteria:	<ul><li>Telephony UDI-TA teleser</li><li>Fallback allowed.</li></ul>	vice;
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #21 "call rejected" to the calling user.	
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

1020418	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	cessful/UDI-TA/1020418	
Selection criteria:	<ul> <li>Telephony UDI-TA to</li> </ul>	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	clearing to the calling user se	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #27 "destination out of order".	
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1020419	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.2.2 and G.5.7	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsucce	essful/UDI-TA/1020419
Selection criteria:	- Telephony UDI-TA tele	eservice;
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020420	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause G.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	iccessful/UDI-TA/1020420
Selection criteria:	Multipoint configuration for th	ne called side
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
		ser, the network the network initiate call clearing to the calling
		CT message containing a PI#8 and the cause value #16
	"normal call clearing" to the	called user.
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

# 6.2.11 Test purposes for ISDN-PES, Supplementary services

# 6.2.11.1 CLIP

1110101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659-1 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_s	services/CLIP/TC1110101
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling	
	party number is correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

1110102	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659-1 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_service	es/CLIP/TC1110102
Selection criteria:	The called user is provided with CL	IP.
Test purpose:		subaddress is provided by the calling user, the Calling is network provided and correctly delivered to the
Parameter values:	BC = PIXIT	
Comments:		

1110103	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-PES/Supplementary_services/CLIP/1110103	
Selection criteria:	- The called user is provided with CLIP.	
	<ul> <li>Special arrangement applie</li> </ul>	S.
Test purpose:	Ensure that when a special arrangement applies and a Calling party number information	
	element and a valid calling number is provided by the calling user, the Calling party	
	number information element with the calling number, is delivered to the called (served)	
	user.	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.11.2 CLIR

1110201	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659-1 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_service	s/CLIP/TC1110201
Selection criteria:	<ul> <li>the called user is provided</li> </ul>	
	<ul> <li>the calling user is provided</li> </ul>	with CLIR.
Test purpose:		LIR permanent mode subscription.
		subaddress is provided by the calling user the Calling
	party number is not delivered to the	e called user.
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

1110202	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI EN 300 001 [30] ETSI ETS 300 648 [31] ETSI EN 300 659-1 [32] ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_service	
Selection criteria:	- the called user is provided with CLIP,	
Constitution and	the calling user is provided.	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when No Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

1110203	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-PES/Supplementary_service	s/CLIR/1110203
Selection criteria:	The calling user is provided with Cl called user with CLIP.	LIR temporary (PIXIT table 27) mode subscription, the
Test purpose:	Ensure that when the Calling party number is provided by the calling user, with Calling party subaddress, the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N =	unknown, NPI = unknown
Comments:		

**Table 27: PIXIT values of CLIRt** 

PIXIT VALUE	CLIRt
1	CLIRt (def=present) IE with PI=1 or PI=2
2	CLIRt (def=restrict) empty IE or PI=1 or PI=2

## 6.2.11.3 COLP

1110301	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clauses 9.5.1 and 11	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Supplementary_	ISDN-PES/Supplementary_services/COLP/1110301	
Selection criteria:	The calling user is provided with COLP.		
Test purpose:	Ensure that the Connected r	Ensure that the Connected number information element is network provided and correctly	
	delivered to the calling user or, if the PSTN does not support this service, the presentation		
	indicator indicate "number not available due to interworking".		
Parameter values:	BC = PIXIT, SI = NP		
Comments:			

## 6.2.11.4 COLR

1110401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [5], clause 9.5.1	
	clauses 9.3.1, 9.4.1 and 11	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Supplementary_ser	ISDN-PES/Supplementary_services/COLR/1110401	
Selection criteria:	- the called PSTN user is provided with COLR;		
	<ul> <li>the calling user is pro-</li> </ul>	vided with COLP.	
Test purpose:	Ensure that the Connected number information element is network provided and		
	delivered to the calling user without any digit information or, if the PSTN does not support		
	this service, the presentation indicator indicate "number not available due to		
	interworking".		
Parameter values:	BC = PIXIT, $(PI = PR)$ , $SI = NP$	P, N = unknown, NPI = unknown	
Comments:			

## 6.2.11.5 CUG

1110501	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references:
TSS reference:	ISDN-PES/Supplementary_service	s/CUG/1110501
Selection criteria:	Orign.: CUG supplementary options: not OA; not ocb; not Preference CUG Term.: ISDN user is not member of a CUG.	
Test purpose:	<ul> <li>not allowed;</li> <li>not outgoing calls barred v</li> <li>not preferential CUG and call establishment is not possible a with cause value 29 "Facility rejected</li> </ul>	the called PSTN user is not member of a CUG, nd the network initiate call clearing to the calling user ed", return error value "userNotMemberOfCUG".
Parameter values:	Orign.: BC = PIXIT; Facility IE with CUGCall invoke component:  - OARequested set to TRUE  - CUG Index included	
Comments:		

1110502	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	
	clauses 9.2.2 and 9.2.4	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/1110502
Selection criteria:	Orign.: The calling user belongs to OA; not ocb; not Preference CUG Term.: ISDN user is not member of	a CUG with the following CUG supplementary options:
Test purpose:	Ensure that when the calling user belongs to a CUG with: - outgoing access allowed;	
	- the called PSTN user is no call establishment is not possible a	within the CUG and not preferential CUG; and ot member of a CUG, nd the network initiate call clearing to the calling user ed", return error value "userNotMemberOfCUG".
Parameter values:	BC = PIXIT; Facility IE with CUGCa - OARequested set to TRU - CUG Index included	
Comments:		

1110503	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references:
	clauses 9.2.2 and 9.2.4	
TSS reference:	ISDN-PES/Supplementary_service	s/CUG/1110503
Selection criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the and the called PSTN user is not member of a CUG, call establishment to a PSTN user is possible.	
Parameter values:	BC = PIXIT; Facility IE with CUGCall invoke component: - OARequested set to TRUE - CUG Index not included	
Comments:		

#### 6.2.11.6 CFU

#### 6.2.11.6.1 Signalling procedures at the coincident S and T reference point

#### 6.2.11.6.1.1 Signalling procedures between ISDN-PES-ISDN

1110601	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PES-ISDN/Supplementary_	ISDN-PES-ISDN/Supplementary_services/CFU/1110601	
Selection criteria:	The user A and the user C are in with CFU	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

#### 6.2.11.6.1.2 Signalling procedures between ISDN-PES-PES

1110602	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-PES/Supplementary_services/CFU/1110602	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 26.	
Parameter values:	BC = PIXIT, CF active	
Comments:		·

#### 6.2.11.7 CFB

#### 6.2.11.7.1 Signalling procedures at the coincident S and T reference point

#### 6.2.11.7.1.1 Signalling procedures between ISDN-PES-ISDN

1110701	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-ISDN/Supplementary	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- UDUB.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

1110702	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PES-ISDN /Supplemental	ry_services/CFB/1110702	
Selection criteria:	The user A and the user C are i	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFB- NDUB.	with CFB- NDUB.	
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 10.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-ISDN/Supplementary_services/CFB/1110703	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful if the diverted-to user is busy.	
ISDN parameter values:	CFB active	
Comments:		

## 6.2.11.7.1.2 Signalling procedures between ISDN-PES-PES

1110704	ISDN ref. to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PES-PES/Supplementary	y_services/CFB/1110704	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided		
	with CFB- UDUB.	·	
Test purpose:	Ensure that when user A calls u	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are		
	correctly mapped according to the table 24.		
Parameter values:	BC = PIXIT, CF active	BC = PIXIT, CF active	
Comments:			

1110705	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PES-PES/Supplementary	ISDN-PES-PES/Supplementary_services/CFB/1110705	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB- NDUB		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 24.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

1110706	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-PES/Supplementary_services/CFB/1110706	
ISDN selection criteria:		
Test purpose:	To verify that a call is released cor	rectly if CFB was not successful if the diverted-to user
	is busy.	
ISDN parameter values:	CFB active	
Comments:		

#### 6.2.11.8 CFNR

## 6.2.11.8.1 Signalling procedures at the coincident S and T reference point

#### 6.2.11.8.1.1 Signalling procedures between ISDN-PES-ISDN

1110801	ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5 ETSI 7	relevant references: FS 183 036 [42], clause 5.2.5 nmendation ITU-T Q.1912.5 [35], annex B.6 FS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-PES-ISDN/Supplementary_services	ISDN-PES-ISDN/Supplementary_services/CFNR/1110801	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option A, late release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 10.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

1110802	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-ISDN/Supplementary_services/CFNR/1110802	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 10.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

1110803	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-ISDN/Supplementary_services/CFNR/1110803	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

## 6.2.11.8.1.2 Signalling procedures between ISDN-PES-PES

1110804	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 6.1, 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-PES/Supplementary_services/CFNR/1110804	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the	
	Diverted-to user information parameters and Calling user information parameters are	
	correctly mapped according to the table 26.	
Parameter values:	BC = PIXIT, CF active	
Comments:		

1110805	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
TSS reference:	ISDN-PES-PES/Supplementary	ETSI TS 129 163 [40], clause 7.4.6	
Selection criteria:		ISDN-PES-PES/Supplementary_services/CFNR/1110805 The user A and the user C are in network N1. The user B is in network N2 and is provided	
	with CFNR (option B, immediate release).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. Ensure that the Diverted-to user information parameters and Calling user information parameters are correctly mapped according to the table 26.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

1110806	ISDN ref. to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-PES-PES/Supplementary_services/CFNR/1110806	
ISDN selection criteria:		
Test purpose:	To verify that a call is released correctly if CFNR was not successful if the diverted-to user	
	is busy.	
ISDN parameter values:	CFNR active	
Comments:		

## 6.2.11.9 UUS1

1110901	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	
	clauses 11.2 and 9.1.1.1.2	
TSS reference:	ISDN-PES/Supplementary_service	s/UUS1/1110901
Selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that when a User-user information element is included in the SETUP message	
	sent from the calling user, call establishment can be done without User-user information.	
Parameter values:	BC = PIXIT	
Comments:		

1110902	ISDN reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clauses 11.2 and 9.1.1.1.2		
TSS reference:	ISDN-PES/Supplementary_serv	vices/UUS1/1110902	
Selection criteria:	The calling (served) user is pro-	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	initiate call clearing to the calling	Ensure that when the calling user explicit request UUS1 indicating "required", the network initiate call clearing to the calling user indicating cause value #69 "requested facility not implemented" or cause value #29 "facility rejected", and a UUS service 1 rejection with	
Parameter values:	BC = PIXIT		
Comments:			

# 6.2.11.10 CCBS

511001	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_ser	rvices/CCBS/511001
Selection criteria:	supplementary service	porting the CCBS supplementary service and this is available to user A. at the coincident S and T reference point.
Test purpose:	Ensure that user A can establis exits.	sh a successful CCBS call setup a multipoint configuration
Parameter values:	BC = PIXIT	
Comments:		

511002	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_service	
Selection criteria:		ng the CCBS supplementary service and this
	supplementary service is a	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
	network B responds to the call with ALERTING message followed by a	eding call state and in the CCBS Call init state, when an ALERTING: indication, user A receives an FACILITY message containing a Facility information ndication cCBSEraseReason "normal-unspecified".
Parameter values:	BC = PIXIT	•
Comments:		

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511003	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.2.1	
TSS reference:	ISDN-PES/Supplementary_se	ervices/CCBS/511003
Selection criteria:	<ul> <li>OLE and DLE are sup</li> </ul>	pporting the CCBS supplementary service and this
	supplementary service	e is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that when the network	A is in the call state N00 and CCBS Activated state the
	user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS Activated	
	state), on receipt of a FACILITY message containing a Facility information element with a	
	CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-	
unspecified" and a Facility message containing a Facility information elem		
	CCBSerase invoke component.	

511004	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.1.4.2	
TSS reference:	ISDN-PES/Supplementary_se	ervices/CCBS/511004
Selection criteria:	<ul> <li>OLE and DLE are sup</li> </ul>	pporting the CCBS supplementary service and this
	supplementary service	e is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that when the network	A is in the call state N00 and CCBS free state the user can
	initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS free state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

511005	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PES/Supplementary_ser	vices/CCBS/511005	
Selection criteria:		orting the CCBS supplementary service and this	
	supplementary service	is available to user A.	
	<ul> <li>Signalling procedures a</li> </ul>	at the coincident S and T reference point.	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS		
	supplementary service is not available to the destination.		
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a		
	FACILITY message containing a Facility information element with a CCBSRequest invoke		
	component including the CallLinkageID, but CCBS is not available to the destination, the		
	user A receives a FACILITY message containing a Facility information element with a		
	CCBSRequest return error component indicating "shortTermDenial".		

511006	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_s	ervices/CCBS/511006
Selection criteria:		ork B are supporting the CCBS supplementary service and
		ervice is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	s at the coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the	
	network A shall inform user A by sending a CCBSFree invoke component to user A and	
	suspend CCBS processing.	
Parameter values:	BC = PIXIT	
Comments:		

511007	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.2.2	
TSS reference:	ISDN-PES/Supplementary_service	es/CCBS/511007
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> </ul>	
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can selected, network A shall suspend the CCBS request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

511008	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PES/Supplementary_ser	vices/CCBS/511008	
Selection criteria:	<ul> <li>Network A and networl</li> </ul>	R B are supporting the CCBS supplementary service and	
	this supplementary ser	vice is available to user A.	
		at the coincident S and T reference point.	
		CBS request retention" is set to "yes".	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal ca	B is proceeding with normal call clearing and Network B shall resume monitoring user B	
	for being not busy.	for being not busy.	
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, if network B cannot establish the call because user B is busy again, the network A		
	sends to user A a DISCONNECT: not containing a Facility information element with a		
	CCBSErase invoke component.		
	Network B shall resume monito	Network B shall resume monitoring user B for being not busy.	

511009	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7], clause 9.4.3.2	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_service	es/CCBS/511009
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Network option "CCBS request retention" is set to "no".</li> <li>Multipoint configuration.</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing User A can activate the CCBS supplementary service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT: or RELEASE COMPLETE message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed.  User A can activate the CCBS supplementary service again.	

511010	ISDN reference to:	Other relevant references:	
011010	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.4.1.2		
TSS reference:	ISDN-PES/Supplementary_serv	rices/CCBS/5110010	
Selection criteria:		<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> </ul>	
		t the coincident S and T reference point.	
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint configuration exists, and the T-CCBS3 expires, the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".		
Parameter values:	BC = PIXIT		
Comments:			

# 6.2.11.11 CCNR

511001	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511001
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> <li>Point-to-multipoint configuration applies.</li> </ul>	
Test purpose:	Ensure that when user A has an ALERTING: indication received from network B, user A can activate CCNR and establish a successful CCNR call setup a point-to-multipoint configuration applies.	
Parameter values:	BC = PIXIT	
Comments:		

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511002	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511002	
Selection criteria:		OLE and DLE are supporting the CCNR supplementary service and this	
	supplementary service is a		
		e coincident S and T reference point.	
	- Recall option = PIXIT.		
	<ul> <li>Point-to-multipoint configu</li> </ul>		
Test purpose:	Ensure that when CCNR supplementary service is not activated and the call is cleared		
	after ALERTING: has been sent to user A, user A can activate CCNR and establish a		
	successful CCNR call setup if the point-to-multipoint configuration applies.		
Parameter values:	BC = PIXIT		
Comments:			

511003	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511003	
Selection criteria:		ng the CCNR supplementary service and this	
	supplementary service is a	vailable to user A.	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.	
Test purpose:	Ensure that user A in the call proceeding call state and in the CCNR Call init state, when		
	network B has responded to the call with a CONNECT: indication, user A receives a		
	CONNECT message.		
	Has the CCNR request not been deactivated, the user receives a FACILITY message		
	containing a Facility information element with a cCBSErase invoke indication		
	cCBSEraseReason "normal-unspecified".		
Parameter values:	BC = PIXIT		
Comments:			

511004	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511004
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that when the network A is in the call state N00 and CCNR Activated state, the user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCNR Activated state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component.	

511005	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511105
Selection criteria:	<ul> <li>OLE and DLE are supporting</li> </ul>	ng the CCNR supplementary service and this
	supplementary service is a	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCBS	
	supplementary service is not available to the destination.	
Parameter values:	BC = PIXIT	
Comments:	In the Disconnect call state and CCNR Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCNRRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial" or "longTermDenial".	

511006	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511006
Selection criteria:	Network A and network B are supporting the CCNR supplementary service and	
	this supplementary service	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCNR processing.	
Parameter values:	BC = PIXIT	
Comments:		

511007	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511007	
Selection criteria:		are supporting the CCNR supplementary service and	
	this supplementary service	is available to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.	
	<ul> <li>Network A supports the sp</li> </ul>	ecific Recall option.	
Test purpose:		cept the request because no B-cannel can be selected,	
	network A shall suspend the CCNR request at network B.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that network A in the CCNR free state on receipt of SETUP message containing		
	Bearer capability information element from the original call and a Facility information		
	element with a CCBSCall invoke component including the CCBSReference from the		
	previously sent CCBSRemoteUserFree invoke component, when no B-channels can be		
	selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or		
	#43 and moves to call state N00. Furthermore, network A shall suspend the CCNR		
	request at network B.		

511008	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511008
Selection criteria:	<ul> <li>Network A and network B</li> </ul>	are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
		e coincident S and T reference point.
	<ul> <li>Network A supports the global</li> </ul>	
Test purpose:		cept the request because no B-cannel can selected,
		Alerting invoke component to user A and suspend the
	CCBS request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the call state N00 and CCNR free state, where a multipoint	
	configuration exits, on receipt of SETUP message containing Bearer capability	
	information element (s) from the original call and a Facility information element with a	
	CCBSCall invoke component including the CCBSReference from the previously sent	
	CCBSRemoteUserFree invoke component when no B-channels can be selected.	
	The network A sends FACILITY message (UI frame) containing a facility information	
	element with a CCBSStopAlerting invoke component including the same CCBSReference	
	value and a RELEASE COMPLETE with the cause #34 or #43 and moves to call state	
	N00. Furthermore, network A shall suspend the CCNR request at network B.	

511009	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	ces/CCNR/511009
Selection criteria:	<ul> <li>Network A and network E</li> </ul>	are supporting the CCNR supplementary service and
	this supplementary service	e is available to user A.
	<ul> <li>Signalling procedures at</li> </ul>	the coincident S and T reference point.
	<ul> <li>The network option "CCB</li> </ul>	S request retention" is set to "yes".
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call clearing and Network B shall resume monitoring user B	
	for being not busy.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init	
	State, if network B cannot establish the call because user B is busy again,, the network A	
	sends to user A a DISCONNECT: not containing a Facility information element with a	
	CCBSErase invoke component.	
	Network B shall resume monitoring user B for being not busy.	

511010	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_ser	ISDN-PES/Supplementary_services/CCNR/511010	
Selection criteria:	Network A and network B are supporting the CCNR supplementary service and		
		this supplementary service is available to user A Signalling procedures at the coincident S and T reference point.	
		request retention" is set to "no".	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing User A can activate the CCNR supplementary service again.		
Parameter values:	BC = PIXIT		
Comments:			

511011	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511011
Selection criteria:	- Network A and network B a	are supporting the CCNR supplementary service and
	this supplementary service	
	- Signalling procedures at the coincident S and T reference point.	
Test purpose:	Ensure that the network A in the Null call state and CCNR Free state and the T-CCBS3	
	expires, the network A sends to user A a FACILITY message containing a Facility	
	information element with a CCBSErase invoke component including CCBSEraseREason	
	encoded as "t-CCBS3-timout".	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.11.12 ECT

511201	ISDN reference to: Other relevant references:
311201	
	ETSI EN 300 369-1 [19],
	clauses 9.2.1, 9.2.3 and 9.2.4
TSS reference:	ISDN-PES/Supplementary_services/ECT/511201
Selection criteria:	ECT
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> - <b>Call Held auxiliary state</b> and the call <b>A-C</b> is in the <b>Active call state</b> a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B. (user B and user C have presentation allowed - no COLR).
Parameter values:	BC = PIXIT
Comments:	

511202	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	
	clauses 9.2.1, 9.2.3 and 9.2.4	
TSS reference:	ISDN-PES/Supplementary_service	ces/ECT/511202
Selection criteria:	ECT	
Test purpose:	C are in network N2. Ensure that when user A invokes the call <b>A-C</b> is in the <b>Active call</b> suser B and user C is established	ECT in which the call A-B is in the <b>Active call sate</b> and state - <b>Call Held auxiliary state</b> , a connection between and the calls A-B and A-C are released. The call nection is performed from user C. (user B and user C LR).
Parameter values:	BC = PIXIT	
Comments:		

511203	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:	
TSS reference:	ISDN-PES/Supplementary_se	rvices/ECT/511203	
Selection criteria:	ECT		
Test purpose:	C are in network N2. Ensure that when user A invol Call Held auxiliary state and between user B and user C When network C receives a proceed with the basic call   The call clearing procedure of	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
Parameter values:	BC = PIXIT		
Comments:			

511204	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	ISDN-PES/Supplementary_service	s/ECT/511204
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the <b>Active call state</b> and the call <b>A-C</b> is in the <b>Call Delivered State - Call Held auxiliary state,</b> a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
Parameter values:	BC = PIXIT	
Comments:		

## 6.2.11.13 HOLD

511301	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES/Supplementary_services/HOLD/511301	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511302	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-PES/Supplementary_s	ISDN-PES/Supplementary_services/HOLD/511302	
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, and that the call can be released from		
	the called user in the held state.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

511303	ISDN reference to:	Other relevant references:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-PES/Supplementary_s	ISDN-PES/Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call		
	hold, the call can be released from the called user in the held state.		
Parameter values:	BC = PIXIT		
Comments:			

511304	ISDN reference to:	Other relevant references:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES/Supplementary_services/HOLD/511304	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	burpose: Ensure that the called user can initiate Call Hold, the called remote user is notified of	
	hold, the call can be released f	rom the calling user in the held state.
Parameter values:	BC = PIXIT	
Comments:		

# Annex A (informative): Bibliography

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