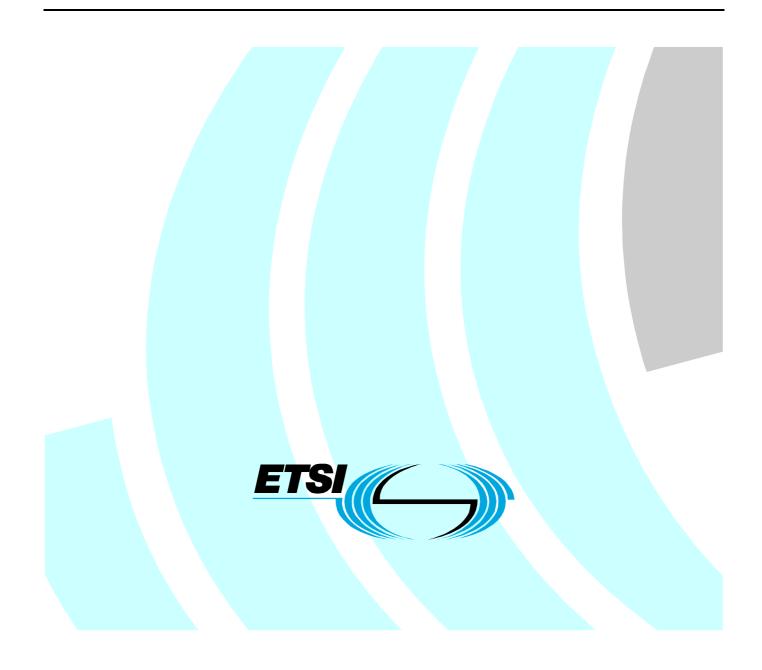
# ETSI TS 102 113-1 V1.1.1 (2002-08)

Technical Specification

Services and Protocols for Advanced Networks (SPAN); Network Integration Testing between GSM Phase 2+, ISDN and PSTN; Part 1: Test Suite Structure and Test Purposes (TSS&TP)



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GSM\_Phase2, ISDN, NIT, PSTN, testing, TSS&TP

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### Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document is part 1 of a multi-part deliverable covering the Network Integration Testing between GSM Phase 2+, ISDN and PSTN, as identified below:

#### Part 1: "Test Suite Structure and Test Purposes (TSS&TP)";

Part 2: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT)".

### Introduction

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing for the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-GSM, PSTN-GSM, GSM-ISDN, GSM-PSTN and GSM-GSM networks. The objective is to verify the level of international or national end-to-end support of ISDN and GSM (PLMN) services.

### 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 GSM Phase 2+, ISDN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that the appropriate requested features passes between an ISDN subscriber and the mobile subscriber across the national or international ISUP (ISUP V2) interface.

### 2 References

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

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- [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 ETS 300 083: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for speech information transfer; Terminal requirements for end-to-end compatibility".
- [3] ETSI ETS 300 084: "Integrated Services Digital Network (ISDN); Circuit mode structured bearer service category usable for 3,1 kHz audio information transfer; Terminal requirements necessary for end-to-end compatibility".
- [4] ETSI EN 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz and videotelephony teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [5] ETSI ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals ".
- [6] 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 ".
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- [8] 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".
- [9] 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".
- [10] 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".

- [11] 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".
- [12] 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".
- [13] 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".
- [14] 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".
- [15] ETSI ETS 300 121 "Integrated Services Digital Network (ISDN); Application of the ISDN User Part (ISUP) of CCITT Signalling System No.7 for international ISDN interconnections (ISUP version 1)".
- [16] ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [17] ETSI EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [18] 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".
- [19] 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".
- [20] 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".
- [21] 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".
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- [26] ETSI EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

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[33]	ITU-T Recommendation O.152 (1988): "Error performance measuring equipment for 64 kbit/s paths".
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[35]	ITU-T Recommendation I.210 (1988): "Principles of the telecommunication services supported by an ISDN and the means to describe them".
[36]	ITU-T Recommendation I.411 (1988): "ISDN user-network interfaces - Reference configurations".
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[39]	ISO/IEC 9646-2: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 2: Abstract Test Suite Specification".
[40]	ISO/IEC 9646-3: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 3: The Tree and Tabular Combined Notation".
[41]	ETSI ETR 350: "Digital cellular telecommunications system (Phase 2+) (GSM); Abbreviations and acronyms (GSM 01.04 version 5.0.1)".
[42]	ETSI TS 100 500: "Digital cellular telecommunications system (Phase 2+); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01 version 8.2.1 Release 1999)".
[43]	ETSI EN 300 904: "Digital cellular telecommunications system (Phase 2+) (GSM); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02 version 7.0.2 Release 1998)".
[44]	ETSI TS 100 905: "Digital cellular telecommunications system (Phase 2+) (GSM); Teleservices supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.03 version 7.0.0 Release 1998)".
[45]	ETSI EN 300 918: "Digital cellular telecommunications system (Phase 2+) (GSM); General on supplementary services (GSM 02.04 version 7.1.2 Release 1998)".
[46]	ETSI TS 100 907: "Digital cellular telecommunications system (Phase 2+); Man-machine Interface (MMI) of the Mobile Station (MS) (3GPP TS 02.30 version 7.1.1 Release 1998)".

[47]ETSI TS 100 514: "Digital cellular telecommunications system (Phase 2+) (GSM);<br/>Line identification Supplementary Services - Stage 1 (GSM 02.81 version 7.0.0 Release 1998)".

[48]	ETSI TS 100 515: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) Supplementary Services - Stage 1 (GSM 02.82 version 7.0.1 Release 1998)".
[49]	ETSI TS 100 516: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Holding (HOLD); Supplementary Services - Stage 1 (GSM 02.83 version 7.0.0 Release 1998)".
[50]	ETSI TS 100 518: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) Supplementary Services - Stage 1 (GSM 02.85 version 7.0.0 Release 1998)".
[51]	ETSI TS 100 520: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) Supplementary Services - Stage 1 (GSM 02.88 version 7.0.0 Release 1998)".
[52]	ETSI TS 100 927: "Digital cellular telecommunications system (Phase 2+); Numbering, Addressing and Identification (3GPP TS 03.03 version 7.7.0 Release 1998)".
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[55]	ETSI TS 100 543: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) supplementary services; Stage 2 (GSM 03.82 version 7.0.0 Release 1998)".
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[59]	ETSI EN 300 940: "Digital cellular telecommunications system (Phase 2+) (GSM); Mobile radio interface layer 3 specification (GSM 04.08 version 7.7.1 Release 1998)".
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[61]	ETSI ETS 300 950: "Digital cellular telecommunications system (Phase 2+) (GSM); Mobile radio interface layer 3 supplementary services specification; Formats and coding (GSM 04.80 version 5.3.1 Release 1996)".
[62]	ETSI EN 300 951: "Digital cellular telecommunications system (Phase 2+) (GSM); Line identification supplementary services; Stage 3 (GSM 04.81 version 7.0.1 Release 1998)".
[63]	ETSI EN 300 952: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Forwarding (CF) supplementary services; Stage 3 (GSM 04.82 version 7.0.2 Release 1998)".
[64]	ETSI EN 300 953: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (GSM 04.83 version 7.0.1 Release 1998)".
[65]	ETSI TS 100 569: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) supplementary services; Stage 3 (GSM 04.85 version 7.0.0 Release 1998)".
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- [67] ETSI TS 100 913: "Digital cellular telecommunications system (Phase 2+) (GSM); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (GSM 07.01 version 7.1.1 Release 1998)".
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- [80] ITU-T Recommendation Q.762 (1993): "Specifications of Signalling System No.7; General function of messages and signals".
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- [82] ITU-T Recommendation Q.764 (1993): "Specifications of Signalling System No.7; Signalling procedures".
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- [84] ETSI TS 123 002 (v3.2.0): "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Network Architecture (3GPP TS 23.002 version 5.7.0 Release 5)".

- [85] ETSI TS 122 034 (v3.1.0): "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 1 (3GPP TS 22.034 version 5.0.0 Release 5)".
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- [87] ETSI EN 300 899-1: "Integrated Services Digital Network (ISDN); Signalling System No.7;
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- [88] ETSI TS 101 038: "Digital cellular telecommunications system (Phase 2+) (GSM); High Speed Circuit Switched Data (HSCSD) Stage 2 (GSM 03.34 version 7.0.0 Release 1998)".
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- [91] ETSI TS 100 542: "Digital cellular telecommunications system (Phase 2+) (GSM); Line identification supplementary services; Stage 2 (GSM 03.81 version 7.0.1 Release 1998)".
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- [93] ETSI ETS 300 577: "Digital cellular telecommunications system (Phase 2) (GSM); Radio transmission and reception (GSM 05.05 version 4.23.1)".
- [94] ETSI EN 302 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Digital cellular telecommunications system (Phase 2+); Application of ISDN User Part (ISUP) version 3 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.14 version 7.0.2 Release 1998)".
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- [96] ETSI EN 300 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7);
   Digital cellular telecommunications system (Phase 2); Application of ISDN User Part (ISUP)
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[103]	ETSI ETS 300 604: "Digital cellular telecommunications system (Phase 2) (GSM); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (GSM 09.07 version 4.13.1)".
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[105]	ISO/IEC 8208: "Information technology; Data communications; X.25 Packet Layer Protocol for Data Terminal Equipment".
[106]	ITU-T Recommendation E.163: "Numbering plan for the international telephone service".
[107]	ETSI ETS 300 519: "Digital cellular telecommunications system (Phase 2) (GSM); Advice of Charge (AoC) supplementary services; Stage 1 (GSM 02.86)".
[108]	ETSI TS 100 517: "Digital cellular telecommunications system (Phase 2+) (GSM); MultiParty (MPTY) Supplementary Services; Stage 1 (GSM 02.84 version 7.0.0 Release 1998)".
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[112]	ETSI ETS 300 566: "Digital cellular telecommunications system (Phase 2) (GSM); Call Forwarding (CF) supplementary services; Stage 3 (GSM 04.82)".
[113]	ETSI ETS 300 557: "Digital cellular telecommunications system (Phase 2) (GSM); Mobile radio interface; Layer 3 specification (GSM 04.08 version 4.23.1)".
[114]	ETSI TS 124 093: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of calls to Busy Subscriber (CCBS) - Stage 3 (3G TS 24.093 version 3.0.0 Release 1999)".

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## 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-1 [38] and the following apply:

Abstract Test Case (ATC): Refer to ISO/IEC 9646-1 [38].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [38].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [38].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [38].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [38].

Lower Tester: Refer to ISO/IEC 9646-1 [38].

Point of Control and Observation (PCO): Refer to ISO/IEC 9646-1 [38].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [38].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [38].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [38].

Test Purpose (TP): Refer to ISO/IEC 9646-1 [38].

### 3.2 Definitions related to test purpose descriptions

**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 A-law"

NOTE: See ETS 300 084 [3].

**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 A-law"

NOTE: See ETS 300 083 [2].

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

NOTE: See EN 300 403-1 [1].

**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 "ITU-T Recommendations H.221 and H.242"

NOTE: See EN 300 267-1 [4].

**BC=V110/X30:** bearer capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "ITU standardized rate adaption V.110/X.30", including sync/async and user rate values

NOTE: See EN 300 403-1 [1].

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

NOTE: See EN 300 207-1 [17].

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

NOTE: See EN 300 138-1 [11].

**GSM - Bearer service categories:** all bearer service categories provide information transfer between R/S reference points and allow the use of sub-rate information streams which are rate adapted

GSM-BC=UD: Unrestricted Digital information (UD) which provides the transfer of unrestricted digital information

GSM-BC=3,1 kHz: (external to the PLMN) service used to select a "3,1 kHz audio" interworking function at the MSC

NOTE: This service category is used when interworking with the ISDN or PSTN "3,1 kHz audio" service and includes the capability to select a modem at the interworking function. "External to the PLMN" indicates that the "3,1 kHz audio" service is only used outside of the PLMN, in the ISDN/PSTN. The connection within the PLMN, user access point to the interworking function, is an unrestricted digital connection.

Alternate Speech/Data: service which provides the capability to swap between speech and data during a call

- NOTE 1: If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used for the duration of the call.
- NOTE 2: The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means must be provided to select the speech/data capability.

**Speech followed by Data:** service which provides a speech connection first and then at some time while the call is in progress, the user can switch to a data connection

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NOTE: The user cannot switch back to speech after the data portion. If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used from the start of the call. The network may then change to a half rate channel for the data portion.

**GSM teleservices:** teleservices supported by a GSM PLMN described by a number of attributes which are intended to be largely independent

NOTE: They are grouped into three categories:

- high layer attributes;
- low layer attributes (describing the Bearer capabilities which support the Teleservice);
- information transfer attributes;
- access attributes;
- general attributes.

**GSM-BC=Speech (TS 11):** service which provides the transmission of speech information and audible signalling tones of the PSTN/ISDN

NOTE: In the GSM PLMN and the fixed network processing technique appropriate for speech such as analogue transmission, echo cancellation and low bit rate voice encoding may be used.

Alternate speech and facsimile group 3 (TS 61): teleservice which allows the connection of ITUgroup 3 fax apparatus (send and/or receive) to the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to/from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

Automatic Facs. group 3 (TS 62): teleservice which allows connection of ITUgroup 3 fax apparatus to and from the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to and from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

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

NOTE: See EN 300 289 [28].

**HLC=videotelephony\_ic:** High Layer compatibility information element with its high layer characteristics identification field set to "videotelephony (Rec. F.721)" and its extended audiovisual characteristics field set to "capability set of initial channel of Rec. H.221"

NOTE: See EN 300 267-1 [4].

**HLC=facsimile G2/G3:** High Layer compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (Rec. F.182)"

NOTE: See EN 300 403-1 [1].

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

NOTE: See EN 300 403-1 [1] and ETS 300 080 [5].

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

NOTE: See EN 300 403-1 [1].

**LLC=telematic\_term:** Low Layer compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208"

NOTE: See EN 300 403-1 [1], ETS 300 080 [5], ISO/IEC 7776 [104] and ISO/IEC 8208 [105].

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

NOTE: See EN 300 403-1 [1].

**LLC=V110/X30:** Low Layer compatibility information element with its user information layer 1 field indicating "ITU standardized rate adaption V.110/X.30" and including sync/async and user rate values

NOTE: ETS 300 103 [6].

NPI=unknown: Numbering plan identification coded as "unknown" [1]

PI=PR: Presentation Indicator coded as "Presentation Restricted"

NOTE: See EN 300 403-1 [1].

SI=NP: Screening Indicator coded as "Network Provided"

NOTE: See EN 300 403-1 [1].

SI=UPVP: Screening Indicator forwarded to the served user coded as "User-Provided, Verified and Passed"

TON=international: type of number coded as "international"

NOTE: See EN 300 403-1 [1].

TON=unknown: type of number coded as "unknown"

NOTE: See EN 300 403-1 [1].

UI length=32: Length of the User information field of the User-user information element is 35 octets.

#### 3.3 Abbreviations

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

3PTY	3-ParTY conference
ATS	Abstract Test Suite
BC	Bearer Capability information element
BS	Base Station
BSS	Base Station Sub-system
BSS	Base Station System
CAMEL	Customized Applications for Mobile network Enhanced Logic
CD	Call Deflection
CFB	Call Forwarding Busy
CFNR	Call Forwarding No Response
CFNRc	Call Forwarding on mobile subscriber Not Reachable
CFNRy	Call Forwarding on No Reply
CFU	Call Forwarding Unconditional
CI	CUG Index
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	COnnected Line identification Presentation
COLR	COnnected Line identification Restriction
CONF	CONFerence (add-on)
CUG	Closed User Group
CW	Call Waiting
ECT	Explicit Call Transfer
FPH	FreePHone service

FTAM	File Transfer Access & Management Global Information Infrastructure
GII	
GMSC	Gateway MSC
GSM	Global System for Mobile communication
HLC	High Layer Compatibility information element
HLR	Home Location Register
HPLMN	Home Public Land Mobile Network
IA	Incoming Access
ICB	Incoming Calls Barred within a CUG
IMSI	International Mobile Subscriber Identity
IN	Intelligent Network
INAP	Intelligent Network Application Part
IP	Internet Protocol
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
IUT	Implementation Under Test
LLC	Low Layer Compatibility information element
MAP	Mobile Application Part
MCID	Malicious Call IDentification
MS	Mobile Station
MS	Mobile Subscriber
MSC	Mobile Switching Center
MT	Mobile Terminal
MT	Mobile Terminated
NIT	Network Integration Testing
OCB	Outgoing Calls Barred within a CUG
ONP	Open Network Provision
OSI	Open Systems Interconnection
PC	Preferential CUG
PDP	Packet Data Protocol
PI	Presentation Indicator
PIXIT	Protocol Implementation eXtra Information for Testing
PLMN	Public Land Mobile Network
PSTN	Public Switched Telephone Network
SCF	Service Control Function
SI	Screening Indicator
SIM	Subscriber Identification Module
SMS	Short Message Service
SS	Supplementary Service
SUB	SUBaddressing
TMSI	Temporary Mobile Subscriber Identity
TON	Type Of Number
TP	Terminal Portability
TP	Test Plant
TSS	Test Suite Structure
TSS&TP	Test Suite Structure and Test Purposes
UD	Unrestricted Digital information
UDP	User Datagram Protocol
UMTS	Universal Mobile Telecommunications System
UTRAN	UMTS Terrestrial Radio Access Network
UUS	User-to-User Signalling
UUS1	UUS service 1
UUS2	UUS service 2
UUS3	UUS service 3
VLR	Visitor Location Register
VPLMN	Visited Public Land Mobile Network

### 5 Numbering Scheme

Pos 1:	Network of the A-Subscriber

- Pos. 2: Network of the B-Subscriber Pos. 3: Network of the C-Subscriber
- Pos. 4: Network of the D-Subscriber
- Pos. 5: Network of the E-Subscriber

The following Network Codes apply:

\_: No such network used (used e.g. for C-Subscriber in successful A to B Calls) (underscore makes it easier to read the name)

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- P: PSTN
- I: ISDN
- G: GSM (w/ HCSCD & GPRS)
- E: EDGE
- U: UTRAN (UMTS)
- N: IP Network

(Extensions will be added when needed)

- Pos. 6 and 7: Bearer- or Teleservice involved
- xx: defined per PIXIT value
- NOTE 1: This may be appropriate for Test Purposes (provided the Test Purpose states for which Bearer- and/or Tele Services it should be tested). It is however NOT appropriate for Test Cases since it would be detrimental to Test Automation.

SP:	Speech
AU:	3,1 kHz Audio
UD:	UDI
UT:	UDI/TA
FX:	Facsimile G3
AF:	Alternate speech and facsimile group 3
AD:	Alternate Speech/Data (S&D)

NOTE 2: Use of "&" should be avoided due to its special meaning to UNIX systems.

FD:	Speech followed by data (SfD)
EC:	Emergency Calls (EmC)
HA:	HSCSD - 3,1 kHz audio
HU:	HSCSD - UDI

Packet Services:

PP:	SMS-PP
CB:	SMS-CB
GI:	GPRS (IP)
NT:	IP Network TCP
NU:	IP Network UDP

Pos. 8&9:

:	No Supplementary Services Involved / Successful
_U:	No Supplementary Services Involved / Unsuccessful
SS:	Supplementary Services Involved
SI:	Supplementary Services interaction
SN:	Nonsymmetrical Supplementary Services Involved
ST:	Supplementary Services transparent

Other services:

O_:	No Supplementary Services Involved / Basic Call Successful/ Other services
OU:	No Supplementary Services Involved / Basic Call Unsuccessful/ Other services
OS:	Supplementary Services Involved / Other services
OI:	Supplementary Services interaction / Other services
ON:	Non symmetrical Supplementary Services Involved / Other services
OT:	Supplementary Services not impact by IN / Other services

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Pos. 10 to 20: YYYY Name of individual Test Group (if needed).

If supplementary services are involved the following codes are used:

Services	Name of individual Test Group
3PTY	3PTY
Call Barring services	CBS
Call Barring services	CBSo
outgoing	
CCBS	CCBS
CD	CD
CFB	CFB
CFNR	CFNR
CFU	CFU
CLIP	CLIP
CLIR	CLIR
COLP	COLP
COLR	COLR
CONF	CONF
CUG	CUG
CW	CW
ECT	ECT
HOLD	HOLD
MCID	MCID
MPTY	MPTY
SUB	SUB
TP	TP
UUS1	UUS1
UUS1 implicit	UUS1i
UUS1 explicit	UUS1e

Pos. Last two positions XX Number of individual Test Purpose

### 5.1 Examples

Basic Call

Speech IG\_\_SP\_\_xx

1	2	3	4	5	6	7	8	9	10	11
Ι	G	_	_	_	S	Р	_	_	Х	Х

Supplementary Services

### CLIP IG\_\_\_\_\_XXSSCLIP xx

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ι	G	_	_	_	Х	Х	S	S	С	L	Ι	Р	Х	Х

## 6 Test Suite Structure (TSS)

### 6.1 ISDN-GSM

### 6.1.1 Support of circuit-switched call control services

	C - Plane / U- Plane			
PLMN ref. to:	Basic_Call	Successful	Speech	IGSPxx
			3,1 kHz audio	IGAUxx
			UDI	IGUDxx
			HSCSD - 3,1 kHz audio	IGHAxx
			HSCSD - UDI	IGHU_xx
		Unsuccessful	Speech	IGSP_Uxx
			3,1 kHz audio	IGAU_Uxx
			UDI	IGUD_Uxx
	C - Plane		UDI -TA	IGUT_Uxx
	Supplementary Services		CLIP	IGxxSSCLIP xx
	Services			
			COLP	
			COLR	
			CUG	IG xxSSCUG xx
			SUB	
			CFU	IGIxxSSCFUxx
			0.0	IGGxxSSCFUxx
				IGGGG xxSSCFUxx
				IGPxxSSCFUxx
				IGUxxSSCFUxx
			CFB	IGIxxSSCFB xx
				IGGxxSSCFB xx
				IGPxxSSCFB xx
				IGUxxSSCFB xx
			CFNRy	IGIxxSSCFNRy xx
				IGGxxSSCFNRy xx
				IGPxxSSCFNRy xx
				IGUxxSSCFNRy xx
			CFNRc	IGIxxSSCFNRc xx
				IGGxxSSCFNRc xx
			HOLD	IGXXSSHOLD XX IGXXSSCW XX
			UUS implicit	IGXXSSUUSi xx
			UUS 1i	
			UUS 1e	IGXXSSUUS1e xx
			UUS 2	
			UUS 3	IGxxSSUUS3 xx
			ECT	IGIxxSNECT xx
			CCBS	IGXXSNCCBS XX
			Interactions	
			CFU_CLI_COL	IGIxxSICFU_CLI_COL xx
				IGGxxSICFU_CLI_COL xx
				IGUxxSICFU_CLI_COL xx
			CFB_CLI_COL	IGIxxSICFB_CLI_COL xx
				IGGxxSICFB_CLI_COL xx
				IGUxxSICFB_CLI_COL xx
			CFNRy_CLI_COL	IGIxxSI CFNRy_CLI_COL xx
				IGGxxSI CFNRy_CLI_COL xx
				IGUxxSI CFNRy_CLI_COL xx

IGIxxSICFNRy_CLI_COL xx
IGGxxSICFNRy_CLI_COL xx
IGUxxSICFNRy_CLI_COL xx
IGIxxSICUG_CFU xx
IGIxxSICFB_CW xx
IGxxSICLIP_SUB xx
IGxxSNTP xx
IGIxxSNCONF xx
IGGxxSNCONF xx
IGIxxSN3PTY xx
IGGxxSN3PTY xx
IGxxSNCBS xx
IGXXSNCCNR xx
IGxxSNAoC xx
IGXXSNMPTY xx

### 6.2 PSTN-GSM

### 6.2.1 Support of circuit-switched call control services

	C - Plane / U- Plane			
PSTN-GSM	Basic_Call	Successful		PGAUxx
	_			
	C - Plane	Unsuccessful		PGAUxx
	Supplementary			
	Services		CLIP	PGAUSSCLIPxx
			CLIR	PGAUSSCLIRxx
			CUG	PGAUSSCUGxx
			CFU	PGPAUSSCFUxx
				PGGAUSSCFUxx
				PGI_AUSSCFUxx
				PGUAUSSCFUxx
			CFB	PGPAUSSCFBxx
				PGG_AUSSCFBxx
				PGI_AUSSCFBxx
				PGU_AUSSCFBxx
			CFNRy	PGPAUSSCFNRy xx
				PGGAUSSCFNRy xx
				PGIAUSSCFNRy xx
				PGUAUSSCFNRyxx
			CFNRc	PGPAUSSCFNRcxx
				PGGAUSSCFNRcxx
				PGI_AUSSCFNRcxx
				PGU_AUSSCFNRcxx
			non-symmetrical tests	
			Call Barring services	PGAUSSCBSxx
			MPTY	PGAUSSMTPYxx

### 6.3 GSM (Phase 2+) - ISDN

### 6.3.1 Support of circuit-switched call control services

	C - Plane / U- Plane			
GSM - ISDN	Basic_Call	Successful	Speech	GISPxx
			3,1 kHz audio exPLMN	GIAUxx
			UDI	GIduxx
			Facsimile G3	GIFXxx
			Alternate speech and	GIAFxx
			facsimile group 3	
			Alternate Speech/Data	GIAFxx
			Speech followed by	GIADxx
			data	
			Emergency Calls	GIECxx
			HSCSD	
			HSCSD - 3,1 kHz audio	GIHAxx
			HSCSD - UDI	GIHUxx
		Unsuccessful	Speech	GISP_Uxx
			3,1 kHz audio ex PLMN	GIAU_Uxx
			UDI	GIdu_Uxx
			Facsimile G3	GIFX_Uxx
			Alternate speech and	GIAF_Uxx
			facsimile group 3	
			Emergency Calls	GIEC_Uxx
	C - Plane			
	Supplementary Services		CLIP	GIxxSSCLIP xx
	Services			GIXSSCLIR xx
			COLP	GIXXSSCOLP xx
			COLR	GIXXSSCOLR XX
			CUG	GIXXSSCUG xx
			SUB	GIXXSSSUB xx
			CFU	GIGxxSSCFUxx
			610	GIIxxSSCFUxx
				GIPxxSSCFUxx
				GIUxxSSCFUxx
			CFB	GIGxxSSCFB xx
				GIIxxSSCFUxx
				GIPxxSSCFUxx
				GIUxxSSCFUxx
			CFNR	GIGXXSSCFNR XX
				GIIxxSSCFUxx
				GIPxxSSCFUxx
				GIUxxSSCFUxx
			HOLD	GIxxSSHOLD xx
			CW	GIXXSSCW XX
			UUS 1i	GIxxSSUUS1i xx
			UUS 1e	GIXXSSUUS1e xx
			UUS 2	GIxxSSUUS2 xx
			UUS 3	GI XXSSUUS3 XX
			ECT	GIGxxSNECT xx
			CCBS	IGxxSNCCBS xx

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Interactions	
CFU_CLIP_COLP	GIGxxSICFU_CLIP_COLP xx
CFB_CLIP_COLP	GIGXXSICFB_CLIP_COLP XX
CFNR_CLIP_COLP	GIGxxSICFNR_CLIP_COLP
	XX
CFU_CLIP_COLP	GIIxxSICFU_CLIP_COLP xx
CFB_CLIP_COLP	GIIXXSICFB_CLIP_COLP xx
CFNR_CLIP_COLP	GIIXXSICFNR_CLIP_COLP xx
non-symmetrical tests	
TP	GIXX SNTP XX
MPTY	GIXXSNMPTYXX
CD	GIXXSNCD xx
Call Barring services	GIXXSNCBS xx
CONF	GIGxxSNCONF xx
	GIIXXSNCONF xx
3PTY	GIGXXSN3PTY XX
	GIIXXSN3PTY xx

### 6.4 GSM (Phase 2+) - PSTN

### 6.4.1 Support of circuit-switched call control services

	C - Plane / U- Plane			
GSM-PSTN	Basic_Call	Successful	Speech	GPSPxx
			3,1 kHz audio ex PLMN	GPAUxx
			Facsimile G3	GPFXxx
			Alternate speech and	GPAFxx
			facsimile group 3	
			Emergency Calls	GPECxx
			HSCSD	
			HSCSD - 3,1 kHz audio	GPHAxx
		Unsuccessful	Speech	GPSP_Uxx
		Unsuccession	3,1 kHz audio	GPQU_Uxx
				GPUD_Uxx
			Facsimile G3	GPFX_Uxx
			Alternate speech and	GPAF_Uxx
			facsimile group 3	
			Emergency Calls	GPEC_Uxx
	C-Plane		Emergency cane	
	Supplementary			
	Services		CLIP	GPxxSSCLIP xx
			CLIR	GPxxSSCLIR xx
			COLR	GPxxSSCOLR xx
			CUG	GPxxSSCUG xx
			CFU	GPGxxSSCFUxx
				GPPxxSSCFUxx
				GPIxxSSCFUxx
				GPUxxSSCFUxx
			CFB	GPGxxSSCFB xx
				GPPxxSSCFB xx
				GPIxxSSCFB xx
				GPUxxSSCFNR xx
			CFNR	GPGxxSSCFNR xx
				GPPxxSSCFNRxx
				GPIxxSSCFNR xx
				GPUxxSSCFNR xx
			CCBS	GPxxSSCCBS xx
			non-symmetrical tests	
			MPTY	GPxxSNMPTY xx
			Call barring services	GPXXSNCBS xx

### 6.5 GSM - GSM (Phase 2+)

### 6.5.1 Support of circuit-switched call control services

	C - Plane / U-Plane			
GSM - GSM	Basic_Call	Successful	Speech	GGSPxx
			3,1 kHz audio ex PLMN	GGAUxx
			UDI	GGUDxx
			Facsimile G3	GGFXxx
			Alternate speech and facsimile group 3	GGAFxx
			Alternate Speech/Data	GGADxx
			Speech followed by data	GGFDxx
			HSCSD	
			HSCSD - 3,1 kHz audio HSCSD - 3,1 kHz audio	GGHAxx GGHUxx
		Unsuccessful	Speech	GGSP_Uxx
			3,1 kHz audio ex PLMN	GGAU_Uxx
			UDI	GGUD_Uxx
			Facsimile G3	GGFX_Uxx
			Alternate speech and facsimile group 3	GGAF_Uxx
	Supplementary			0000115
	Services		CLIP	GGxxSSCLIP xx
			CLIR	GGXXSSCLIR xx GGXXSSCOLP xx
			COLP	GGXXSSCOLP xx GG xxSSCOLR xx
			COLR CUG	GG XXSSCOLK XX
			SUB	GG xxSSSUB xx
			CFU	GGG xxSSCFUxx
			CFB	GGG xxSSCFB xx
			CFNRy	GGGxxSSCFNRy xx
			CFNRc	GGGxxSSCFNRc xx
			HOLD	GGxxSSHOLD xx
			CW	GGxxSSCW xx
			UUS 1i	GGxxSSUUS1i xx
			UUS 1e	GGxxSSUUS1e xx
			UUS 2	GGxxSSUUS2 xx
			UUS 3	GGxxSSUUS3 xx
			ECT	GGGxxSNECT xx
			MPTY	GGXXSSMPTY XX
			Call Barring Services	GGxxSSCBS xx
			CCBS	GGxxSSCCBS xx
			Interactions	
			CFU_CLIP_COLP	GGGxxSICFU_CLIP_COLP xx
			CFB_CLIP_COLP	GGGxxSICFB_CLIP_COLP
			CFNR_CLIP_COLP	GGGxxSICFNR_CLIP_COLP xx

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### 6.5.2 Support of packet services

Packet	
Services	

001 11003				
GSM - GSM	Control - Plane	Successful	SMS-PP	GGPPxx
			SMS-CB	GGG_CB_xx

7.1 Test purposes for ISDN to GSM

## 7.1.1 Test purposes for ISDN to GSM, Basic call

### 7.1.1.1 Successful

Successful	Ī
Speech	

IG SP 01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.1	EN 300 940 [59]
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful	Speech
ISDN selection	Speech	
criteria:		
GSM selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
GSM parameter	GSM-BC=speech, no HLC	
values:		
Comments:		

IG SP 02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.2	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

10 00 00		
IGSP03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.3.3	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/S	Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the call establishment and the call clearing procedure is performed correctly when the <b>calling user</b> clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

IGSP04	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.3.3	EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successfu	I/Speech
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the <b>called user</b> clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing". The DISCONNECT message may contain the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

IGSP05	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2.2
	TBR 008 [29], clause 5.1.3	TS 100 976 [74] clause 10.2.2
	EG 201 018 [83], clause 6.3.1	TS 100 913 [67], clause B.2.8
TSSreference:	ISDN-GSM/Basic_call/Successful/	Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, HLC=telephony	
PLMN parameter values	GSM-BC=speech, HLC=telephony	
Comments:		

## Successful 3,1 kHz audio

	ISDN ref. to: PLMN ref. to:	
IG01		
	EN 300 403-1 [1], clause 5.1.5.1 EN 300 940 [59]	
	TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
GSM selection	Audio, Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the <b>calling user</b> clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
GSM parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG AU 02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.1	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clauses 9.2.2 and 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the <b>calling user</b> clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter		
values		
Comments:	The call set-up to the mobile will no	ot contain a GSM-BC element.

IG03	ISDN ref. To:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.2	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
		EN 300 899-1 [87], clause 2.1.1.7, table 19
TSSreference:	ISDN-GSM/Basic_call/Successful/	3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi-numbering Scheme, T	IS 11
criteria:		
Test purpose:	a GSM Basic Service using overla correctly when the <b>called user</b> cle indicating the cause value #16 "no The calling user shall receive a DIS "normal call clearing" with the prog progress indicator #8. Ensure that in the call delivered sta transfer of tone or announcement Ensure that in the active call state performed correctly.	nout exhaustive compatibility information for deducing p sending and the call clearing procedure is performed ars after answering with a DISCONNECT message rmal call clearing". SCONNECT message with the Cause value #16 gress indicator #8 or a Progress message with the ate (N4) and disconnect indication state (N12) the on the B-channel is performed correctly. (N10) the data transfer on the traffic and B-channel is
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will construct of the version of the vLR.	ontain a GSM BC mapped from the BC/LLC/HLC

IG AU 04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.2	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clauses 9.2.2 and 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the <b>called user</b> clears after answer with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channel is performed correctly.	
ISDN Parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN Parameter		
values:		
Comments:	The call set-up to the mobile will no	ot contain a GSM-BC element.

IG AU 05	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.6 EN 300 940 [59], clauses 5.2.2.4 and 10.5.4.21 TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme, TS 11	
criteria:		
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS.	
ISDN parameter values:	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
PLMN parameter	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
values:		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR and the progress value #3 "origination address is non ISDN". The progress indicator information element is transported in the Access Transport parameter of the initial address message (IAM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

IG06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.6 EN 300 940 [59], clauses 5.2.2.4 and 10.5.4.21	
	TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, progress value #3	
values:	"origination address is non ISDN".	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, LLC=3,1 kHz audio,	
values:	voice band data via modem, progress value #3 "origination address is non ISDN".	
Comments:		

IGAU07	ISDN ref. to: EN 300 403-1 [1], clause 4.5.17	PLMN ref. to: EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	TS 100 913 [67], clause B.2.10 3.1 kHz audio
ISDN selection criteria:	Telefax G3 terminals;	
PLMN selection criteria	TS 61	
Test purpose:	value "facsimile group 2/3" are may indicator, one representing speech Ensure that in the call delivered sta B-channel is performed correctly.	the ISDN BC value "3,1 kHz audio" and the HLC oped in two GSM BC-IE preceded by a repeat , the other representing facsimile group 3. te (N4) the transfer of tone or announcement on the N10) the data transfer on the traffic and B-channels is
ISDN Parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN Parameter	first GSM-BC=speech	
values	second GSM-BC=facsimile G3, HL	C=Facsimile G2/G3
Comments:		

IG AU 08	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2.2	
		TS 100 976 [74], clause 10.2.2, case 3 in HLR,	
		case 5 in VMSC)	
		TS 100 913 [67], clause B.2.11	
TSSreference:	ISDN-GSM/Basic_call/Successful		
ISDN selection	Telefax G3 terminals		
criteria:			
PLMN selection	TS 62	TS 62	
criteria			
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3		
values:			
PLMN parameter	GSM-BC=facsimile G3, HLC=Fac	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values:			
Comments:			

IG09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.2.10
TSSreference:	ISDN-GSM/Basic_call/Successful/3	3,1 kHz audio
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	Single numbering Scheme, TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN Parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN Parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values		
Comments:		

IG AU 10	ISDN ref. to:	PLMN ref. to:	
1010	EN 300 403-1 [1], clause 4.5.5	EN 300 940 [59], clause 5.2.2	
	EN 500 405-1 [1], clause 4.5.5	TS 100 976 [74], clause 10.2.2	
		TS 100 913 [67], clause B.1.2	
TSSreference:	ISDN-GSM/Basic_call/Successfu		
ISDN selection	Bearer service 3,1 kHz audio		
criteria:	Bearer Service 3,1 KHZ audio		
PLMN selection	Audio		
criteria:	Audio		
	Ensure that the ISDN SETUR with	a the <b>PC</b> perometer value information transfer	
Test purpose:	capability 3,1 kHz audio, voice ba is set to MODE, user rate set to U delivered to the <b>GSM BC</b> with the 3,1 kHz audio ex PLMN, voice ba is set to MODE, / user rate set to	In the <b>BC</b> parameter value information transfer and data via modem, synchronous/ asynchronous mode ISER_RATE is correctly mapped and correctly a parameter values: information transfer capability and data via modem, synchronous/ asynchronous mode G_USER_RATE. In that the data transfer on the traffic and B-channels is	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem,		
values:	synchronous/ asynchronous mod	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLM	I, voice band data via modem,	
values:		synchronous/ asynchronous mode: MODE	
	fix network user rate: G_USER_F	ATE	
Comments:	The test is not applicable for ETS	300 102-1 implementations. se 4.5.5 note 4 the octets 5a, 5b, 5c, 5d in the	
		5 indicates either of the ITU standardized rate adaption	

	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.18	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.2.3
TSSreference:	ISDN-GSM/Basic_call/Successful/	3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
	Ensure that the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability 3,1 kHz audio and the <b>LLC</b> parameter values: 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the <b>GSM BC</b> with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE and the <b>LLC</b> with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE and the <b>LLC</b> with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio,	
values:	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC=3,1 kHz audio, voice band da	
	synchronous/ asynchronous mode	: MODE
	user rate: USER_RATE	
Comments:		

Values for test purposes IGAU	10; IGAU11; IG_	AU12
VA_01		ection criteria: synchronous mode, BS 31
		DE: synchronous
	US	ER_RATE: 1,2 kbit/s
		JSER_RATE: 1,2 kbit/s
VA_02		ection criteria: synchronous mode, BS 32
		DE: synchronous
		ER_RATE: 2,4kbit/s
		JSER_RATE: 2,4 kbit/s
VA_03		ection criteria: synchronous mode, BS 33
	MC	DE: synchronous
		ER_RATE: 4,8 kbit/s
		JSER_RATE: 4,8 kbit/s
VA_04		ection criteria: synchronous mode, BS 34
		DE: synchronous
		ER_RATE: 9,6 kbit/s
		JSER_RATE: 9,6 kbit/s
VA_05		ection criteria: asynchronous mode, BS 21
		DE: asynchronous
		ER_RATE: 0,3 kbit/s
		JSER_RATE: 0,3 kbit/s
VA_06		ection criteria: asynchronous mode, BS 22
		DE: asynchronous
		ER_RATE: 1,2 kbit/s
		JSER_RATE: 1,2 kbit/s
VA_07		ection criteria: asynchronous mode, BS 24
		DE: asynchronous
		ER_RATE: 2,4kbit/s
		JSER_RATE: 2,4 kbit/s
VA_08		ection criteria: asynchronous mode, BS 25
		DE: asynchronous
		ER_RATE: 4,8 kbit/s
		JSER_RATE: 4,8 kbit/s
VA_09		ection criteria: asynchronous mode, BS 26
		DE: asynchronous
		ER_RATE: 9,6 kbit/s
	G	JSER_RATE: 9,6 kbit/s

IG13	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.1	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem ACCESS_RATE (PIXIT)	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

# Successful

## UDI

		-
IG01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.5.1	EN 300 940 [59]
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful	/UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection	UDI, Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=UDI, no HLC	
values:		
GSM parameter	GSM-BC=UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will c stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

IGUD02	<b>ISDN ref. to:</b> EN 300 403-1 [1], clause 5.1.5.1	PLMN ref. to: EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Successful	ÚDI	
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=UDI, no HLC		
values:			
PLMN parameter			
values:			
Comments:	The call set-up to the mobile will n	ot contain a GSM-BC element.	

	ISDN ref. to:	PLMN ref. to:
IGUD03		
	EN 300 403-1 [1], clause 5.1.5.2	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=UDI, no HLC	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

IGUD04	ISDN ref. to:         PLMN ref. to:           EN 300 403-1 [1], clause 5.1.5.2         EN 300 940 [59], clause 5.2.2           TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=UDI, no HLC	
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element.	

IGUD05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.5	EN 300 940 [59], clause 5.2.2	
		TS 100 976 [74], clause 10.2.2	
		TS 100 913 [67], clause B.1.2	
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the <b>GSM BC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, / user rate set to G_USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=UDI, V.110/X.30		
values:	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=UDI, V.110/X.30		
values:	synchronous/ asynchronous mode: MODE		
	fix network user rate: G_USER_R	ATE	
Comments:			

IG06	ISDN ref. to: PLMN ref. to:		
	EN 300 403-1 [1], clause 4.5.18 EN 300 940 [59], clause 5.2.2		
	TS 100 976 [74], clause 10.2.2		
	TS 100 913 [67], clause B.2.3		
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the ISDN SETUP with the BC parameter value information transfer		
	capability UDI and the LLC parameter values: UDI, V.110/X.30,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly mapped and correctly delivered to the GSM BC with the parameter values:		
	information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set		
	to MODE, user rate set to G_USER_RATE and the LLC with the parameter values:		
	information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set		
	to MODE, user rate set to USER_RATE.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	BC=UDI,		
values:	LLC=UDI, V.110/X.30,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=UDI, V.110/X.30		
values:	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC=UDI, V.110/X.30,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:			

P		
IG07	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.18 EN 300 940 [59], clause 5.2.2	
	TS 100 976 [74], clause 10.2.2	
	TS 100 913 [67], clause B.2.3	
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE and the <b>LLC</b> parameter values: UDI, V.110/X.30, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the <b>GSM BC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE and the <b>LLC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE and the <b>LLC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=LLC=UDI, V.110/X.30	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

Values for test purposes IGUD05; IGUD	
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

# Successful HSCSD - 3,1 kHz

IGHA01	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.5 EN 300 940 [59]	
	and 5.2 TS 100 976 [74], clause 10.2	
	TS 101 038 [88]	
TSSreference:	ISDN-GSM/Basic_call/Successful/HSCSD-3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
GSM selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the ISDN BC with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the GSM BC with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
GSM parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/ asynchronous mode: MODE	
	fix network user rate: FNU_RATE	
Comments:		

IGHA02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59]
	and 5.2	TS 100 976 [74], clause 10.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	HSCSD-3,1 kHz
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
GSM selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose:	Ensure that the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability 3,1 kHz audio and the LLC parameter values: 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the <b>GSM BC</b> with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE and the <b>LLC</b> with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE and the <b>LLC</b> with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio,	
values:	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
COM more motor	user rate: USER_RATE	union hand data via mandara
GSM parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/ asynchronous mode	
	fix network user rate: FNU_RATE	sta via madam
	LLC=3,1 kHz audio, voice band da	
	synchronous/ asynchronous mode	
Commontor	user rate: USER_RATE	
Comments:		

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Values for test purpose IC	GHA01 and IGH	HA02
VA_01		MODE: synchronous
		USER_RATE: 14,4 kbit/s
		FNU_RATE: 14,4 kbit/s
VA_02		MODE: synchronous
		USER_RATE: 19,2 kbit/s
		FNU_RATE: 19,2 kbit/s
VA_03		MODE: synchronous
		USER_RATE: 28,8 kbit/s
		FNU_RATE: 28,8 kbit/s
VA_04		MODE: synchronous
		USER_RATE: 38,4 kbit/s
		FNU_RATE: 38,4 kbit/s
VA_05		MODE: synchronous
		USER_RATE: 48,0 kbit/s
		FNU_RATE: 48,0 kbit/s
VA_06		MODE: synchronous
		USER_RATE: 56,0 kbit/s
		FNU_RATE: 56,0 kbit/s transparent
VA_07		MODE: asynchronous
		USER_RATE: 14,4 kbit/s
		FNU_RATE: 14,4 kbit/s
VA_08		MODE: asynchronous
		USER_RATE: 19,2 kbit/s
		FNU_RATE: 19,2 kbit/s
VA_09		MODE: asynchronous
		USER_RATE: 28,8 kbit/s
		FNU_RATE: 28,8 kbit/s
VA_10		MODE: asynchronous
		USER_RATE: 38,4 kbit/s
		FNU_RATE: 38,4 kbit/s
VA_11		MODE: asynchronous
		USER_RATE: 48,0 kbit/s
		FNU_RATE: 48,0 kbit/s

## Successful HSCSD - UDI

IGHU01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59]
	and 5.2	TS 100 976 [74], clause 10.2
TSSreference:	ISDN-GSM/Basic_call/Successful/	HSCSD-UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the ISDN BC with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/ asynchronous mode set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the GSM BC with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/ asynchronous mode set to MODE, fix network user rate set to FNU_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=information transfer capability:UDI,	
values:	rate adaption: V.110/X.30	
	synchronous/asynchronous mode: MODE,	
	user rate: USER_RATE	
GSM parameter	GSM-BC=information transfer capability:UDI	
values:	rate adaption: V.110/X.30	
	synchronous/asynchronous mode: MODE,	
	fix network user rate: FNU_RATE	
Comments:		

IGHU02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59]
	and 5.2	TS 100 976 [74], clause 10.2
TSSreference:	ISDN-GSM/Basic_call/Successful	/HSCSD-UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the <b>ISDN SETUP</b> with the <b>BC</b> parameter value: information transfer capability UDI and the <b>LLC</b> with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/ asynchronous mode set to MODE, user rate set to USER_RATE are correctly mapped and correctly delivered to the <b>GSM</b> <b>SETUP</b> with the <b>GSM-BC</b> with the parameter values: UDI, rate adaption V.110/X.30, synchronous/ asynchronous mode set to MODE, fix network user rate set to FNU_RATE and the <b>LLC</b> with the parameter values UDI, rate adaption V.110/X.30, synchronous/ asynchronous mode set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=information transfer capability: UDI	
values:	LLC=information transfer capability: UDI	
	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mode: MODE,	
	user rate: USER_RATE	
GSM parameter	GSM-BC=information transfer capability: UDI	
values:	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mode: MODE,	
	fix network user rate: FNU_RATE	
	LLC=information transfer capabilit	y: UDI
	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mode: MODE,	
	user rate: USER_RATE	
Comments:		

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Values for test purposes IGHU01, IGH	HU02
VA_01	MODE: synchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
VA_02	MODE: synchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
VA_03	MODE: synchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
VA_04	MODE: synchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
VA_05	MODE: synchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
VA_06	MODE: synchronous
	USER_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
VA_07	MODE: asynchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
VA_08	MODE: asynchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
VA_11	MODE: asynchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s

#### 7.1.1.2 Unsuccessful

### Unsuccessful Speech

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IGSP_U01	ISDN ref. to: PLMN ref. to:		
	EN 300 403-1 [1], clauses 5.1.4 EN 300 940 [59]		
	and 5.3, annex M TS 100 974 [72],	, clause 18.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech		
ISDN selection	Speech		
criteria:			
GSM selection	TS 11		
criteria:			
Test purpose:	Ensure that, when calling to unallocated number, the	e network initiate call clearing to the	
	calling user with a RELEASE COMPLETE or DISCC	NNECT message indicating cause	
	value #1 "unassigned number".		
ISDN parameter	BC=speech		
values:			
GSM parameter			
values:			
Comments:	Some PLMNs provide announcement instead of sending cause value #1.		
	In the case when the calling user is calling to an unallocated number the tones or		
	announcement can only by generated in the destination exchange (or intermediate		
	exchange) during call establishment (see ITU-T Recommendation Q.764 [82] clause 2.2).		
	,		
	The originating exchange sends a DISCONNECT message to the calling user with		
	progress indicator #8 thus indicating that in-band information is available. Normal		
		release procedure apply after the in-band information has been connected.	
	The calling user shall receive in the disconnect indication state (N12)		
	the in-band tone/announcement on the B-channel.		

IGSP_U02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.4,	EN 300 940 [59], clause H.1.1	
	annex M	TS 100 974 [72], clause 18.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	ful/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that the call will be released when there is no route to destination. The network		
	initiates call clearing to the calling	initiates call clearing to the calling user with a DISCONNECT message indicating cause	
	value #3 "no route to destination".		
ISDN parameter	BC=speech		
values:			
PLMN parameter			
values:			
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal		
	release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.		

IGSP_U03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6	
	and 5.1, annex M		
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the		
	calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=speech		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	After receiving the SETUP message, the MS replies immediately with a		
	RELEASE COMPLETE (#17 "user busy")		
	The originating exchange sends a DISCONNECT message to the calling user with		
	progress indicator #8 thus indicating that in-band information is available. Normal		
	release procedure apply after the in-band information has been connected.		
	The calling user shall receive in the disconnect indication state (N12)		
	the in-band tone/announcement on the B-channel.		

IGSP_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6
	and 5.1, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsucces	sful/Speech/
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=speech	
PLMN parameter		
values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IGSP_U05	<b>ISDN ref. to:</b> ETS 300 102-1, clause 5.2.5.4, annex M	PLMN ref. to: EN 300 940 [59], clause H.1.7 TS 100 974 [72], clauses 18.2 and 18.3.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech		
PLMN selection criteria:			
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.		
ISDN parameter	BC=speech		
values:	-		
PLMN parameter values:			
Comments:	NOTE: Some PLMNs provide a	nnouncements instead of sending cause value #20.	

IGSP_U06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.2.5.4, EN 300 940 [59], clause H.1.8	
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IG SP U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.1.9	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
	and 5.3.2, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	ful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
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 call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IGSP_U08	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.4, EN 300 940 [59], clause H.1.1	
	annex M TS 100 974 [72], clause 18.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech/	
ISDN selection	Speech	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number").	
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG SP U09	ISDN ref. to:	PLMN ref. to:
IG3F_009		
	EN 300 403-1 [1], clause 5.2.2,	EN 300 940 [59], clauses B.3.2 and H.5.3
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	ful/Speech/
ISDN selection	Speech	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter	BC=speech	
values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IGSP_U10	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
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.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

IGSP_U11	ISDN ref. to: EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	<b>PLMN ref. to:</b> EN 300 940 [59], clause H.1.6 ETS 300 511, clause 4.4.2.3
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/Speech
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful	
3,1 kHz audio	

IGAU_U01	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.1.4 EN 300 940 [59], clause H.1.1	
	and 5.3, annex M TS 100 974 [72], clause 18.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio/	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1. In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see ITU-T Recommendation Q.764 [82] clause 2.2). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG AU U02	ISDN ref. to:	PLMN ref. to:
IGA0_002		
	EN 300 403-1 [1], clause 5.1.4,	EN 300 940 [59], clause H.1.1
	annex M	TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG AU U03	ISDN ref. to:	PLMN ref. to:	
IGA0_003			
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6	
	and 5.1, annex M		
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	sful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio, Multi numbering Scheme,	TS 11	
criteria:			
Test purpose:	Ensure that, when the called user	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the	
	calling user with a DISCONNECT	calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio		
values:			
PLMN parameter	GSM-BC=speech		
values:			
Comments:	After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.		

IGAU_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6
	and 5.1, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has	
	been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG AU U05	ISDN ref. to:	PLMN ref. to:
1070_000	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6
	and 5.1, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsucces	sful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	progress indicator #8 thus indicated release procedure apply after the	a DISCONNECT message to the calling user with ting that in-band information is available. Normal e in-band information has been connected. The calling ect indication state (N12) the in-band annel.

	ISDN ref. to:	PLMN ref. to:
IGAU_U06		
	EN 300 403-1 [1], clause 5.2.5.4,	EN 300 646-1 [96]
	annex M	TS 100 974 [72], clauses 18.2 and 18.3.2
		EN 300 940 [59], clause H.1.7
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	NOTE: Some PLMNs provide a	nnouncements instead of sending cause value #20.

IGAU_U07	ISDN ref. to: EN 300 403-1 [1], clause 5.2.5.4, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG AU U08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.4,	EN 300 940 [59], clause H.1.8
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted) (single- numbering scheme), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

	ICDN ref. to:	
IGAU_U09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.1.9	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
	and 5.3.2, annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	iful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme	
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 call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter	GSM-BC=speech	
values:	·	
Comments:	progress indicator #8 thus indicati release procedure apply after the	a DISCONNECT message to the calling user with ng that in-band information is available. Normal in-band information has been connected. The calling ct indication state (N12) the in-band nnel.

IG AU U10	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.1.9	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
	and 5.3.2, annex M	
	*	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessfu	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:	Ensure that when the called user (single-numbering scheme) rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	progress indicator #8 thus indicatin	DISCONNECT message to the calling user with g that in-band information is available. Normal h-band information has been connected. e disconnect indication state (N12)

IGAU_U11	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.4, EN 300 940 [59], clause H.1.1	
	annex M TS 100 974 [72], clause 18.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 - "Invalid number format (incomplete number").	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IGAU_U12	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.2,	ETS 300 557 [113], clauses B.3.2 and H.5.3
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	COMPLETE message indicating ca	s not compatible and responds with a RELEASE ause value #88 "incompatible destination", the call will call clearing to the calling user with a DISCONNECT 38 "incompatible destination".
ISDN parameter	BC=3,1 kHz audio, voice band data via modem	
values:		
PLMN parameter	GSM-BC=3,1 kHz audio, voice band data via modem	
values:		
Comments:	progress indicator #8 thus indicatir release procedure apply after the i	DISCONNECT message to the calling user with ng that in-band information is available. Normal n-band information has been connected. e disconnect indication state (N12) n the B-channel.

IGAU_U13	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/Unsucces	ssful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme	, TS 11
criteria:		
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.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

IG AU U14	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/Unsucce	ssful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Schem	ne
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:	In case of "single numbering" th element.	e call set-up to the mobile will not contain a GSM-BC

IGAU_U15	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59],clause H.1.6
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsucces	ssful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme	, TS 11
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

IGAU_U16	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clause H.1.6
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsucces	ssful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Schem	e
criteria:		
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter		
values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy"). The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

	ICDN ref. to:	DI MNI ref. to:
IGAU_U17	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clause H 1.6
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio, voic	e band data via modem with modem type V.26
criteria:		
PLMN selection	Audio, Multi-numbering Scheme	
criteria:		
Test purpose:	Unsuccessful voice band data via	modem transmission.
	Ensure that the network initiate cal	I clearing to the calling user with cause value #63
	"service or option not available, unspecified" or #57 "bearer capability not authorized".	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem, modem type V.26, no LLC.	
values:		
PLMN parameter		
values:		
Comments:	The test is not applicable for ETS 300 102-1 implementations. According to ETS 300 102-1 clause 4.5.5 note 4 the octets 5a, 5b, 5c, 5d in the	
	ISDN-BC may be present if octet 5 indicates either of the ITU standardized rate adaption	
	V.110/X.30 or V.120.	
		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IG AU U18	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clause H.1.6
	annex M	
TSSreference:	ISDN-GSM/Basic_call/Unsuccess	ful/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio, voi	ce band data via modem with modem type V.26
criteria:		
PLMN selection	Audio, Multi-numbering Scheme	
criteria:	-	
Test purpose:	Unsuccessful voice band data via modem transmission.	
	Ensure that the network initiate call clearing to the calling user with cause value #63	
	"service or option not available, unspecified" or #57 "bearer capability not authorized".	
ISDN parameter	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, modem type V.26	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the	
	compatibility check fails	s. The cause value with which the call shall be rejected
	is not defined.	

Unsuccessful	
UDI	

IGUD_U01	ISDN ref. to: EN 300 403-1 [1], clause 5.1.4, annex M	PLMN ref. to: EN 300 940 [59]
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
GSM selection		
criteria		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter	BC=UDI	
values:		
GSM parameter		
values:		
Comments:		

IGUD_U02	ISDN ref. to:	PLMN ref. to: EN 300 940 [59], clause H.1.1
	EN 300 403-1 [1], clause 5.1.4, annex M	EN 300 940 [59], Clause H. I. I
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection		
criteria		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

IG UD_U03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.6	
	annex M		
TSSreference:	ISDN-GSM/Basic_call/UnSuccessf	ul/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI, Multi numbering Scheme		
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=UDI		
values:			
PLMN parameter	GSM-BC=UDI, V.110/X.30		
values:			
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.		

IG UD U04	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.6	
	annex M		
TSSreference:	ISDN-GSM/Basic_call/UnSucces	sful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI, Multi numbering Scheme	UDI, Multi numbering Scheme	
criteria:			
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=UD		
values:			
PLMN parameter			
values:			
Comments:			

IG UD U05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1,	TS 100 974 [72], clauses 18.2 and 18.3.2	
	annex M	EN 300 940 [59], clause H.1.7	
TSSreference:	ISDN-GSM/Basic_call/UnSucces	ssful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent".		
ISDN parameter	BC=UDI		
values:			
PLMN parameter			
values:			
Comments:		se value #18 is "absent subscriber". At the ISDN side	
	cause value #18 is "n	o user responding".	

		DI MNI and the
IGUD_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clause H.1.8
	annex M	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessf	ul/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=UDI	
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IGUD_U07	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9	
	annex M		
TSSreference:	ISDN-GSM/Basic_call/UnSucces	ssful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UD		
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 call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".		
ISDN parameter	BC=UDI		
values:			
PLMN parameter	GSM-BC=UDI, V.110/X.30		
values:			
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.		

IG UD_U08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.4, annex M	EN 300 940 [59], clause H.1.1
		TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number").	
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

IG UD U09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.2	EN 300 940 [59], clause B.3.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	iful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter	BC=LLC=UDI, V.110/X.30	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will c stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

ISDN ref. to:	PLMN ref. to:
EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
ISDN-GSM/Basic_call/UnSuccessf	ul/UDI
Bearer service UDI	
UDI, Multi numbering Scheme	
Ensure that when the calling user clears with cause value #16 "normal call clearing"	
before answer from called user, the	e network transport the cause value to the called user.
BC=UDI	
GSM-BC=UDI, V.110/X.30	
The call set-up to the mobile will co	ontain a GSM BC mapped from the BC/LLC/HLC
stored in the VLR.	
	ISDN-GSM/Basic_call/UnSuccessf Bearer service UDI UDI, Multi numbering Scheme Ensure that when the calling user of before answer from called user, the BC=UDI GSM-BC=UDI, V.110/X.30 The call set-up to the mobile will co

IGUD_U11	ISDN ref. to: PLMN ref. to:		
	EN 300 403-1 [1], clause 4.5.17 EN 300 940 [59], clauses 5.2.2.3.1, B.4 and H.5.3		
	TS 100 913 [67], clause B.2		
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI		
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the called user initiate call clearing with a RELEASE COMPLETE message		
	indicating cause value #88 "incompatible destination" and the network transport the		
	cause value to the calling user when the calling user sends the SETUP containing the		
	BC=UDI and the HLC=facsimile group 4.		
ISDN parameter	BC=UDI, HLC=facsimile group 4, no LLC		
values:			
PLMN parameter	GSM-BC=UDI, V.110/X.30, HLC=facsimile group 4		
values:			
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred		
	transparently by the GSM PLMN and an ISDN between the call originating entity and the		
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.		
	NOTE: In some networks the HLC is the related part of the compatibility checking		
	performed in the GMSC. In this case the network initiates call clearing to the		
	calling user with cause value #63 "service or option not available, unspecified"		
	or #57 "bearer capability not authorized".		
	or #or bearer capability not authorized.		

	ISDN ref. to:	PLMN ref. to:
IGUD_U12		
	EN 300 403-1 [1], clauses 4.5.17 and	EN 300 940 [59], annex H
	4.5.19	TS 100 976 [74], clause 10.2.2
	ETS 300 080 [5], clause 4.5.2.1	
	EG 201 018 [83], clause 6.3.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63	
	"service or option not available, unspecified" or #57 "bearer capability not authorized"	
	when the calling user sends the SETUP containing the BC=UDI, HLC=facsimile group 4	
	and LLC=telematic term.	
ISDN parameter	BC=UDI, HLC=facsimile group 4, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:		e cases where the subscription check or the ause value with which the call shall be rejected

IG_UD_U13	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], annex H	
	EG 201 018 [83], clause 7.1.3	TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	sful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC=teletex basic and mixed mode.		
ISDN parameter	BC=UDI, HLC=teletex basic and mixed mode, LLC=telematic_term		
values:			
PLMN parameter values:			
Comments:		overs the cases where the subscription check or the s. The cause value with which the call shall be rejected	

IG_UD_U14	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], annex H
		TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC=teletex basic and processable mode.	
ISDN parameter	BC=UDI, HLC=teletex basic and processable mode, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:		overs the cases where the subscription check or the s. The cause value with which the call shall be rejected

IGUD_U15	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], annex H
	EG 201 018 [83], clause 7.1.3	TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC=teletex basic mode.	
ISDN parameter values:	BC=UDI, HLC=teletex basic mode, LLC=telematic_term	
PLMN parameter values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IG UD U16	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1 [1], clause 4.5.17			
	ETS 300 080 [5], clause 4.5.2.1			
TSSreference:	ISDN-GSM/Basic_call/UnSucce			
ISDN selection	Bearer service UDI			
criteria:				
PLMN selection	UDI	UDI		
criteria:				
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC=international videotex interworking.			
ISDN parameter	BC=UDI, HLC=international videotex interworking, LLC=telematic_term			
values:		-		
PLMN parameter				
values:				
Comments:		covers the cases where the subscription check or the ails. The cause value with which the call shall be rejected		

IGUD_U17	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17 EN 300 940 [59], clauses 5.2.2.3.1, B.4 and H.5.3	
	TS 100 913 [67], clause B.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause value #88 "incompatible destination" and the network transport the	
	cause value to the calling user when the calling user sends the SETUP containing the	
	BC=UDI and the HLC=telex.	
ISDN parameter	BC=UDI, HLC=telex, no LLC	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30, HLC=telex	
values:		
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred	
	transparently by the GSM PLMN and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
	NOTE: In some networks the HLC is the related part of the compatibility checking	
	performed in the GMSC. In this case the network initiates call clearing to the	
	calling user with cause value #63 "service or option not available, unspecified"	
	<b>o</b>	
	or #57 "bearer capability not authorized".	

IGUD_U18	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clauses 5.2.2.3.1, B.4 and H.5.3
	ETS 300 080 [5], clause 4.5.2.1	TS 100 913 [67], clause B.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccessf	ul/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause value #88 "incompatible destination" and the network transport the	
	cause value to the calling user when the calling user sends the SETUP containing the	
	BC=UDI and the HLC=message handling system.	
ISDN parameter	BC=UDI, HLC=message handling system, no LLC	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30, HLC=message handling system,	
values:		
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred	
	transparently by the GSM PLMN and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
	NOTE: In some networks the H	LC is the related part of the compatibility checking
	performed in the GMSC	. In this case the network initiates call clearing to the
		value #63 "service or option not available, unspecified"
	or #57 "bearer capability	not authorized".

[		
IGUD_U19	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17 EN 300 940 [59], clauses 5.2.2.3.1, B.4 and H.5.3	
	ETS 300 080 [5], clause 4.5.2.1 TS 100 913 [67], clause B.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause #88 "incompatible destination" and the network transport the cause	
	value to the calling user when the calling user sends the SETUP containing the BC=UDI	
	and the HLC=OSI application.	
ISDN parameter	BC=UDI, HLC=OSI application, no LLC	
values:		
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=OSI application	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred	
oonnents.	transparently by the GSM PLMN and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
	NOTE: In some networks the HLC is the related part of the compatibility checking	
	performed in the GMSC. In this case the network initiates call clearing to the	
	calling user with cause value #63 "service or option not available, unspecified"	
	or #57 "bearer capability not authorized".	

IGUD_U20	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17 EN 300 940 [59], clauses 5.2.2.3.1, B.4 and H.5.3	
	EN 300 267-1 [4], clause 7 TS 100 913 [67], clause B.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message	
	indicating cause value #88 "incompatible destination" and the network transport the	
	cause value to the calling user when the calling user sends the SETUP containing the	
	BC=UDI and the HLC=videotelephony_ic.	
ISDN parameter	BC=UDI, HLC=videotelephony_ic	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30, HLC=videotelephony_ic	
values:		
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred	
	transparently by the GSM PLMN and an ISDN between the call originating entity and the	
	addressed entity. The LLC/HLC related part of the compatibility is up to the terminal.	
	NOTE: In some networks the HLC is the related part of the compatibility checking	
	performed in the GMSC. In this case the network initiates call clearing to the	
	calling user with cause value #63 "service or option not available, unspecified"	
	or #57 "bearer capability not authorized".	

IG UD U21	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.5	EN 300 940 [59], annex H
		TS 100 976 [74], table 6B-09.07 General notes 1
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter	BC=UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s, no LLC	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IGUD_U22	ISDN ref. to:	PLMN ref. to:
		EN 300 940 [59], annex H
	ETS 300 103 [6], annex I,	TS 100 976 [74], table 6B-09.07 General notes 1
	EG 201 018 [83], clause 7.1.1	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessfu	I/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value #63 "service or option not available, unspecified" or #57 "bearer capability not	
	authorized" when the calling user sends the SETUP containing the BC=UDI and the	
	LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter	BC=UDI, LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s	
values:		
PLMN parameter		
values:		
Comments:		ers the cases where the subscription check or the The cause value with which the call shall be rejected

IGUD_U23	ISDN ref. to: EN 300 403-1 [1], clause 4.5.5	PLMN ref. to: EN 300 940 [59], annex H TS 100 976 [74], table 6B-09.07 General notes 1	
TSSreference:	ISDN-GSM/Basic_call/UnSucces	sful/UDI	
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.		
ISDN parameter	BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s, no LLC		
values:			
PLMN parameter			
values:			
Comments:			

IGUD_U24	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.19	EN 300 940 [59], annex H
	ETS 300 103 [6], annex I	TS 100 976 [74], table 6B-09.07 General notes 1
	ETR 018, clause 7.1.1	
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value #63 "service or option not available, unspecified" or #57 "bearer capability not	
	authorized" when the calling user sends the SETUP containing the BC=UDI and the	
	LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.	
ISDN parameter	BC=UDI, LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the
	compatibility check fails is not defined.	. The cause value with which the call shall be rejected

		DI MAL and the
GUD_U25	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], annex H
	and 4.5.19	TS 100 976 [74], table 6B-09.07 General notes 1
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	ful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
PLMN parameter values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IG UD U26	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.17	EN 300 940 [59], annex H	
	and 4.5.19	TS 100 976 [74], table 6B-09.07 General notes 1	
	EG 201 018 [83], clause 7.1.3		
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	iful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not		
	authorized" when the calling user sends the SETUP containing the BC=UDI,		
	LLC=telematic_term and the HLC=syntax-based videotex.		
ISDN parameter	BC=UDI, HLC=syntax-based videotex, LLC=telematic_term		
values:			
PLMN parameter			
values:			
Comments:		overs the cases where the subscription check or the s. The cause value with which the call shall be rejected	

IGUD_U27	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.17 EN 300 940 [59], annex H	
	and 4.5.19, TS 100 976 [74], clause 102.2, table 6B-09.07	
	EG 201 018 [83], clause 6.3.7	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC=FTAM.	
ISDN parameter values:	BC=UDI, HLC=FTAM, LLC=telematic_term	
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG UD U28	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.17 EN 300 940 [59], annex H	
	and 4.5.19 TS 100 976 [74], clause 102.2, table 6B-09.03	7
	EG 201 018 [83], clause 6.3.8	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value #63 "service or option not available, unspecified" #57 "bearer capability not	
	authorized" when the calling user sends the SETUP containing the	
	BC=UDI, LLC=telematic_term and the HLC=Eurofile.	
ISDN parameter	BC=UDI, HLC=Eurofile, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check of compatibility check fails. The cause value with which the call shall be r is not defined.	

IGUD_U29	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1,	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.6	
	annex M		
TSSreference:	ISDN-GSM/Basic_call/UnSucces	sful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI	UDI	
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".		
ISDN parameter	BC=UDI		
values:			
PLMN parameter			
values:			
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").		

Unsuccessful	
UDI -TA	

IGUT_U01	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.1.5.1 EN 300 940 [59]	
	TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/UDI -TA	
ISDN selection	Bearer service UDI /TA	
criteria:		
GSM selection		
criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause	
	value #63 "service or option not available or #65 "bearer service not implemented".	
ISDN parameter	BC=UD /TA, no HLC	
values:		
GSM parameter		
values:		
Comments:		

#### 7.1.2 Test purposes for ISDN to GSM Supplementary services

#### Supplementary services Symmetrical Tests

IG xxSSCLIP01	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1 [7], clause 9.3	EN 300 940 [59]
	EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	EN 300 951 [62]
TSSreference:	ISDN-GSM/Supplementary_services/CLIP	
ISDN selection	CLIP	
criteria:		
GSM selection	The called user is provided with CLIP	
criteria:		
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is set to: TON_ID, the Calling party number information element is correctly delivered to the called (served) user.	
ISDN parameter	BC=I_BC_ID	
values:	Calling party number: PI=PA SI=UPVP, TON=TON_ID	
GSM parameter	GSM-BC=G_ITC,	
values:	Calling party number: PI=PA, SI=UPVP, TON=national / international number	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106])	
Comments:		

Values for test purpose: IGxxSSCLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IGxxSSCLIP02	ISDN ref. to:	PLMN ref. to:	
	EN 300 092-1 [7], clause 9.3	EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10	
	EN 300 403-1 [1], clause 4.5.10	EN 300 951 [62], clause 1	
		TS 100 542 [91], clause 1	
TSSreference:	ISDN-GSM/Supplementary_service	s/CLIP	
ISDN selection	CLIP		
criteria:			
PLMN selection	The called user is provided with CL	The called user is provided with CLIP	
criteria:			
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	Calling party number: PI=PA, SI=NP, TON=national / international,		
	NPI=ISDN/Telephony numbering pl	an (ITU-T Recommendations E.164 [37]/E.163 [106])	
Comments:			

IGxxSSCLIR01	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1 [8], clause 9.4.1	EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10
	EN 300 092-1/A2 [92], figure 2	EN 300 951 [62], clause 1
		TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_servic	es/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with C	LIP
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when the Calling party number is provided by the calling user, the Calling	
	party number information element is delivered to the called user without any digit	
	information.	
ISDN parameter	BC=I_BC_ID	
values:	Calling party number: PI=PA, TON=unknown, NPI=unknown	
PLMN parameter	GSM-BC=G_BC_ID	
values:	Calling party number: PI=PR, TON	l=unknown, NPI=unknown, SI=NP
Comments:		

IGxxSSCLIR02	<b>ISDN ref. to:</b> EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	PLMN ref. to: EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_servic	es/CLIR
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user, the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IG xxSSCOLP01	ISDN ref. to	PLMN ref. to:
	EN 300 097-1 [9], clause 9.5.1	EN 300 951 [62], clause 3
		TS 100 542 [91], clause 3
TSSreference:	ISDN-GSM/Supplementary_service	s/COLP
ISDN selection	Calling user is provided with COLP	
criteria:		
PLMN selection	COLP	
criteria:		
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and correctly delivered to the	
	calling (served) user.	
ISDN parameter	BC=I_BC_ID	
values:	Connected number: SI=NP, PI=PA, TON=National / international,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106])	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCOLR01	<b>ISDN ref. to:</b> EN 300 098-1 [10], clauses 9.3.1 and 9.4.1	PLMN ref. to: EN 300 951 [62], clause 4
	EN 300 092-1/A2 [92], figure 4	TS 100 542 [91], clause 4
TSSreference:	ISDN-GSM/Supplementary_services/COLR	
ISDN selection	The calling user is provided with COLP	
criteria:		
PLMN selection	COLR	
criteria:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
ISDN parameter	BC=I_BC_ID	
values:	Connected number : PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection	CUG supplementary options: not OA; not oc	b; not Pref. CUG
criteria:		
PLMN selection	Calling user and called user belong to the sa	me CUG;
criteria:	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
values:		
Comments:		

IGxxSSCUG02	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection	The calling user belongs to a CUG with the fo	bllowing CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG wi	th the following CUG supplementary
criteria:	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message. A Facility IE may be passed to the MS which contains an CUG index associated with the invoked CUG.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
values:		
Comments:		

IGxxSSCUG03	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection	The calling user belongs to a CUG with the fo	Ilowing CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG wit	h the following CUG supplementary
criteria:	options: IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index included	
PLMN parameter		
values:		
Comments:		

IGxxSSCUG04	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11] clauses 9.2.2 and 9.2.4	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection	The calling user belongs to a CUG with the fol	lowing CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG wit	h the following CUG supplementary
criteria:	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the called user receives a SETUP message.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE	
	CUG Index not included	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCUG05	ISDN ref. to:         PLMN ref. to:           EN 300 138-1 [11], clause 9.2.2         TS 100 546 [57]           TS 100 569 [65]         TS 100 569 [65]	
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>	
PLMN selection criteria:	The called user is not a CUG subscriber	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "userNotMemberOfCUG".	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IGxxSSCUG06	ISDN ref. to: EN 300 138-1 [11], clause 9.2.3	PLMN ref. to: TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	ISDN-GSM/Supplementary_servic	es/CUG
ISDN selection	Calling user is not member of CU	G
criteria:		
PLMN selection	The called user belongs to CUG w	ith the following CUG supplementary options: <b>not IA</b> ;
criteria:	not ICB	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network initiate call clearing to the calling user with cause value #"87 user not a member of CUG".	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

r		,	
IGxxSSCUG07	ISDN ref. to:	PLMN ref. to:	
	EN 300 138-1 [11], clause 9.2.2	TS 100 546 [57]	
		TS 100 569 [65]	
TSSreference:	ISDN-GSM/Supplementary_services/CUG		
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>not</b>		
criteria:	OA; not ocb; not Pref. CUG		
PLMN selection	The called user is not member of CUG.		
criteria:			
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, 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".		
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:		
values:	OARequested set to TRUE		
	CUG Index included		
PLMN parameter			
values:			
Comments:			

IGxxSSCUG08	ISDN ref. to: PLMN ref. to:		
	EN 300 138-1 [11], clause 9.2.2 TS 100 546 [57]		
	TS 100 569 [65]		
TSSreference:	ISDN-GSM/Supplementary_services/CUG		
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria:	options: not IA; ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred		
	within the CUG, after the receipt of a SETUP message with a Facility IE containing a		
	cUGCall invoke component with OARequested set to TRUE, CUG Index included,		
	call establishment is not possible and the network initiate call clearing to the calling user		
	with cause value #29 "Facility rejected", return error value "incomming		
	CallsBarredWithinCUG".		
ISDN noromotor			
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:		
values:	OARequested set to TRUE		
	CUG Index included		
PLMN parameter			
values:			
Comments:			

	ISDN ref. to: PLMN ref. to:		
IGxxSSCUG09			
	EN 300 138-1 [11], clause 9.2.2  TS 100 546 [57]		
	TS 100 569 [65]		
TSSreference:	ISDN-GSM/Supplementary_services/CUG		
ISDN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;		
criteria:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to <b>the same</b> CUG with the following CUG supplementary		
criteria:	options: not IA; ICB		
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 called user		
	belongs to the same CUG with incoming access is not allowed and incoming calls barred		
	within the CUG, after the receipt of a SETUP message with a Facility IE containing a		
	cUGCall invoke component with OARequested set to FALSE, CUG Index included,		
	call establishment is not possible and the network initiate call clearing to the calling user		
	with cause value #29 "Facility rejected", return error value "incomming		
	CallsBarredWithinCUG".		
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:		
values:	OARequested set to FALSE		
	CUG Index included		
PLMN parameter			
values:			
Comments:			

IGxxSSCUG10	<b>ISDN ref. to:</b> EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	PLMN ref. to: TS 100 546 [57] TS 100 569 [65]	
TSSreference:	ISDN-GSM/Supplementary_services/CUG		
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; <b>not ocb; not Pref. CUG</b>		
PLMN selection criteria:	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>IA; ICB</b>		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incomming CallsBarredWithinCUG".		
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:		
values:	OARequested set to FALSE CUG Index included		
PLMN parameter values:			
Comments:			

IGxxSSCUG11	ISDN ref. to: PLMN ref. to:	
	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4 TS 100 546 [57]	
	TS 100 569 [65]	
TSSreference:	ISDN-GSM/Supplementary_services/CUG	
ISDN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria:		
PLMN selection	Calling user and called user belong to the <b>same</b> CUG;	
criteria:	CUG supplementary options: not IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
ISDN parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:	
values:	OARequested set to FALSE	
	CUG Index included	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
values:		
Comments:		

IGxxSSSUB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 061-1 [12], clause 9.2	ETS 300 577 [93], clause 10.5.4.8	
	EN 300 403-1 [1], clause 4.5.9		
TSSreference:	ISDN-GSM/Supplementary_service	es/SUB	
ISDN selection	SUB		
criteria:			
PLMN selection	The called (served) user is provide	d with SUB	
criteria:			
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:			

IGxxSSSUB02	ISDN ref. to:	PLMN ref. to:
	EN 300 061-1 [12], clause 9.2	ETS 300 577 [93], clause 10.5.4.8
	EN 300 403-1 [1], clause 4.5.9	
TSSreference:	ISDN-GSM/Supplementary_service	es/SUB
ISDN selection	SUB	
criteria:		
PLMN selection	The called (served) user is provide	d with SUB
criteria:		
Test purpose:	Ensure that when the Called party 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	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IGIxxSSCFU01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5 EN 300 952 [63], clause 1		
	TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection	Call to a forwarding subscriber (CFU)		
criteria:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion		
criteria:	"=Yes) (see note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is notified of call diversion.		
	User <b>C</b> receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channel is		
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFUactive		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1, clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		
L			

IGIxxSSCFU02	ISDN ref.		PLMN ref. to:	
	EN 300 2	07-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1	
			TS 100 543 [55], clause 1	
TSSreference:	ISDN-GS	M/Supplementary_services/CFU		
ISDN selection	Call to a f	orwarding subscriber (CFU)		
criteria:		- · · ·		
PLMN selection	The user	B is in network N2 provided with CF	FU("calling user is notified of call	
criteria:	diversion	"= <b>No</b> ) (see note)		
Test purpose:	Ensure th	at when user A calls user B, the ca	Il is forwarded to user C.	
	User A is	not notified of call diversion		
	User C re	eceives a SETUP message with the	information that the incoming call is a	
	forwarded	forwarded call.		
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
		performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channel is			
	performed correctly.			
ISDN parameter	A: ! BC=I_BC_ID			
values:	C: ? BC=I_BC_ID			
PLMN parameter	CFUactive			
values:				
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of th	e call forwarding Supplementary_services	
		are not in line with the EN 302 646	6-1 [94], clause 6.1.1.10 (MSC acts like a	
			N 300 356-15 [95]).The served mobile	
			cide if the indication that the incoming call	
		is a forwarded call is released to the	•	
	- I			

IGGxxSSCFU01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5 EN 300 952 [63], clause 1		
	TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection	Call to a forwarding subscriber (CFU)		
criteria:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion		
criteria:	"=Yes) (see note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoperation that the incoming call is		
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
	B-channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFUactive		
values:	GSM-BC=I_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		
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IGGGGxxSSCFU02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1	
		TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection	Call to a forwarding subscriber (CFU)		
criteria:			
PLMN selection	The user B is in network N2 provided with CF	U("calling user is notified of call diversion	
criteria:	"= <b>Yes)</b> (see note)		
Test purpose:	Ensure that when user A calls user B, the call	is forwarded to user C.	
	User <b>A</b> is notified of call diversion.		
	User C receives a SETUP message with the I	NotifySSoperation that the incoming call is	
	a forwarded call.	· · ·	
	The reason for forwarding given to the forwarded -to subscriber should relate to the last		
	forwarding subscriber in the chain.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-		
	channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFUactive		
values:	GSM-BC=I_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the	e call forwarding Supplementary_services	
		-1 [94], clause 6.1.1.10 (MSC acts like a	
		N 300 356-15 [95]).The served mobile	
		cide if the indication that the incoming call	
	is a forwarded call is released to th	5	

IGGxxSSCFU03	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1		
		TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFU			
ISDN selection	Call to a forwarding subscriber (CFU)			
criteria:				
PLMN selection	The user B is in network N2 provided with CFU(	calling user is notified of call		
criteria:	diversion"=No) (see note)			
Test purpose:	Ensure that when user A calls user B, the call is	forwarded to user C.		
	User A is not notified of call diversion			
	User C receives a SETUP message with the Not	ifySSoparation that the incoming call is		
	a forwarded call.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
		performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the void			
		channels is performed correctly.		
ISDN parameter	BC=I BC ID			
values:				
PLMN parameter	CFUactive			
values:	GSM-BC=I BC ID			
Comments:		all forwarding Supplementary_services		
	are not in line with the EN 302 646-1			
	diverting exchange according to EN 3			
		e if the indication that the incoming call		
	is a forwarded call is released to the c	iverted-to user.		

IGPxxSSCFU01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1	
		TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection	Call to a forwarding subscriber (CFU)		
criteria:			
PLMN selection	The user B is in network N2 provided with CFL	("calling user is notified of call diversion	
criteria:	"=Yes) (see note)		
Test purpose:	Ensure that when user A calls user B, the call i	s forwarded to user C.	
	User <b>A</b> is notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFUactive		
values:			
Comments:		call forwarding Supplementary_services	
		I [94], clause 6.1.1.10 (MSC acts like a	
		300 356-15 [95]). The served mobile	
		de if the indication that the incoming call	
	is a forwarded call is released to the	diverted-to user.	

	ISDN ref.	to	PLMN ref. to:	
IGPxxSSCFU02				
	EN 300 2	207-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1	
			TS 100 543 [55], clause 1	
TSSreference:	ISDN-GS	M/Supplementary_services/CFU		
ISDN selection	Call to a f	forwarding subscriber (CFU)		
criteria:				
PLMN selection	The user	B is in network N2 provided with CFU("	calling user is notified of call	
criteria:	diversion	"=No) (see note)		
Test purpose:	Ensure th	nat when user A calls user B, the call is	forwarded to user C.	
	User A is	not notified of call diversion.		
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data or data transfer is performed			
	correctly.			
ISDN parameter	BC=I BC ID			
-	DC=I_DC	_ID		
values:				
PLMN parameter	CFUactiv	e		
values:				
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of the ca	all forwarding Supplementary_services	
		are not in line with the EN 302 646-1 [		
		diverting exchange according to EN 3		
			e if the indication that the incoming call	
		5	5	
		is a forwarded call is released to the d	iverted-to user.	

IGUxxSSCFU01	ISDN ref. to: EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	PLMN ref. to: EN 300 952 [63], clause 1	
TCCreference		TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection criteria:	Call to a forwarding subscriber (CFU)		
PLMN selection criteria:	The user B is in network N2 provided with CF =Yes) (see note)	U("calling user is notified of call diversion"	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User <b>A</b> is notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	CFUa	ctive	
values:	GSM-BC=I_BC_ID		
Comments:	are not in line with the EN 302 646 diverting exchange according to El	e call forwarding Supplementary_services -1 [94], clause 6.1.1.10 (MSC acts like a N 300 356-15 [95]).The served mobile cide if the indication that the incoming call le diverted-to user.	

IGU xxSSCFU02	ISDN ref. to: PLMN ref. to:		
IGU_XX55CF002			
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5 EN 300 952 [63], clause 1		
	TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFU		
ISDN selection	Call to a forwarding subscriber (CFU)		
criteria:			
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call		
criteria:	diversion"= <b>No</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call diversion		
	User C receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
1000	B-channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFUactive		
values:	GSM-BC=I_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		
	וז מ זטו אמו שבע כמוו זה דבובמסבע נט נודב עו אבונבע-נט עסבו.		

IGI xxSSCFB01	ISDN ref	to	PLMN ref. to:		
IGI_XXSSCFB01					
	EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3		EN 300 952 [63], clause 2		
	and 9.2.5		TS 100 543 [55], clause 2		
TSSreference:	ISDN-GS	M/Supplementary_services/CFB			
ISDN selection	Call to a	forwarding subscriber (CFB)			
criteria:					
PLMN selection	The user	B is in network N2 and is provided	with CFB <b>UDUB</b> ("calling user is notified of		
criteria:	call diver	sion"= <b>Yes</b> ) (see note)			
Test purpose:	Ensure th	nat when user A calls busy user B,	the call is forwarded to user C.		
		notified of call diversion.			
	User C re	eceives a SETUP message with the	e information that the incoming call is a		
		forwarded call.			
		Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
		performed correctly if tones/announcement are applied.			
		Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.			
ISDN noromotor					
ISDN parameter					
values:	C: ? BC=I_BC_ID				
PLMN parameter	CFBUDUB active				
values:					
Comments:	NOTE:		the call forwarding Supplementary_services		
		are not in line with the EN 300 646-1 [96], (MSC acts like a diverting			
			56-15 [95]). The served mobile subscriber		
		has not the ability to decide if the	indication that the incoming call is a		
		forwarded call is released to the	diverted-to user.		

	ISDN ref	4			
IGIxxSSCFB02			-	PLMN ref. to:	
	EN 300 2	207-1 [17], clauses 9.2.2, 9.2.4.	3	EN 300 952 [63], clause 2	
	and 9.2.5			TS 100 543 [55], clause 2	
TSSreference:	ISDN-GS	M/Supplementary_services/CF	В		
ISDN selection	Call to a	forwarding subscriber (CFB)			
criteria:					
PLMN selection	The user	B is in network N2 and is prov	ded with	CFB <b>UDUB</b> ("calling user is notified of	
criteria:	call diver	sion"= <b>No</b> ) (see note)			
Test purpose:	Ensure th	nat when user A calls busy use	r B, the c	all is forwarded to user C.	
	User A is	not notified of call diversion			
	User C re	eceives a SETUP message with	n the info	rmation that the incoming call is a	
	forwarde			5	
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
		performed correctly if tones/announcement are applied.			
				e/data transfer on the traffic and	
		B-channels is performed correctly.			
ISDN parameter		A: ! BC=I_BC_ID			
values:	C: ? BC=I_BC_ID				
PLMN parameter	CFBUDUB active				
values:					
Comments:	NOTE:	Stage 1, 2 and 3 descriptions	of the ca	all forwarding Supplementary_services	
		are not in line with EN 300 64	6-1 [96].	clause 6.1.1.10 (MSC acts like a	
				00 356-15 [95]). The served mobile	
		<b>.</b>		e if the indication that the incoming call	
		is a forwarded call is released			

101 0005500			
IGIxxSSCFB03	ISDN ref. to:		PLMN ref. to:
	EN 300 207-1 [17]	clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2
	and 9.2.5		TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supple	mentary_services/CFB	
ISDN selection	Call to a forwarding	g subscriber (CFB)	
criteria:			
PLMN selection criteria:	The user B is in network N2 and is provided with CFBNDUB ("calling user is notified of call diversion"=Yes; "notification to forwarding subscriber"=Yes) (see note)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFBNDUB active		
values:			
Comments:	are not diverting subscrib	n line with the EN 300 646 a exchange according to E	ne call forwarding Supplementary_services 6-1 [96], clause 6.1.1.10 (MSC acts like a IN 300 356-15 [95]). The served mobile acide if the indication that the incoming call he diverted-to user.

IGIxxSSCFB04	ISDN ref		PLMN ref. to:		
	EN 300 2	207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2		
	and 9.2.5		TS 100 543 [55], clause 2		
TSSreference:	ISDN-GS	SM/Supplementary_services/CFB			
ISDN selection	Call to a	forwarding subscriber (CFB)			
criteria:					
PLMN selection	The user	B is in network N2 and is provided	d with CFB <b>NDUB</b> ("calling user is notified of		
criteria:	call diver	sion"=No; "notification to forwardir	ng subscriber"= <b>No</b> ) (see note)		
Test purpose:	Ensure th	nat when user A calls busy user B,	the call is forwarded to user C.		
	User A is	not notified of call diversion.			
	User B is	not notified of call diversion.			
	User C re	eceives a SETUP message with th	e information that the incoming call is a		
	forwarde	forwarded call.			
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performe	performed correctly if tones/announcement are applied.			
	Ensure th	Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
	B-channels is performed correctly.				
ISDN parameter	A: ! BC=	A: ! BC=I_BC_ID			
values:	C: ? BC=	C: ? BC=I_BC_ID			
PLMN parameter	CFBNDL	CFBNDUB active			
values:					
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of	the call forwarding Supplementary_services		
		are not in line with the EN 300 6	46-1 [96], clause 6.1.1.10 (MSC acts like a		
		diverting exchange according to	EN 300 356-15 [95]). The served mobile		
		subscriber has not the ability to	decide if the indication that the incoming call		
		is a forwarded call is released to the diverted-to user.			

		PLMN ref. to:		
EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3		EN 300 952 [63], clause 2		
and 9.2.5	5	TS 100 543 [55], clause 2		
ISDN-GS	M/Supplementary_services/CFB			
Call to a	forwarding subscriber (CFB)			
The user	B is in network N2 and is provided w	ith CFB <b>UDUB</b> ("calling user is notified of		
call diver	sion"=Yes) (see note)	-		
		e call is forwarded to user C.		
User C re	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is			
a forward	a forwarded call.			
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is				
performe	d correctly if tones/announcement are	e applied.		
Ensure th	hat in the active call state (N10) the ve	oice/data transfer on the traffic and		
B-channe	els is performed correctly.			
BC=I_BC_ID				
CFBUDUB active				
GSM-BC=G_BC_ID				
NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services				
	are not in line with the EN 300 646-1 [96], (MSC acts like a diverting			
		-15 [95]). The served mobile subscriber		
	forwarded call is released to the div			
	EN 300 2 and 9.2.5 ISDN-GS Call to a The user call diver Ensure th User <b>A</b> is User <b>C</b> re a forward Ensure th performe Ensure th B-channe BC=I_BC CFBUDL GSM-BC	a forwarded call. Ensure that in the call delivered state (N4) the performed correctly if tones/announcement ar Ensure that in the active call state (N10) the vi- B-channels is performed correctly. BC=I_BC_ID CFBUDUB active GSM-BC=G_BC_ID NOTE: Stage 1, 2 and 3 descriptions of the are not in line with the EN 300 646- exchange according to EN 300 356 has not the ability to decide if the in		

ISDN rof to:		PLMN ref. to:	
	auses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2	
and 9.2.5		TS 100 543 [55], clause 2	
ISDN-GSM/Suppleme	entary_services/CFB		
Call to a forwarding s	ubscriber (CFB)		
The user B is in netwo	ork N2 and is provided wi	ith CFB <b>UDUB</b> ("calling user is notified of	
Ensure that when use	er A calls busy user B, the	e call is forwarded to user C.	
User A is not notified	of call diversion		
User C receives a SE	TUP message with the N	lotifySSoparation that the incoming call is	
a forwarded call.	5	, i	
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
performed correctly if tones/announcement are applied.			
Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
CEPLIDUR activa			
diverting ex	change according to EN	300 356-15 [95]). The served mobile	
subscriber	has not the ability to dec	ide if the indication that the incoming call	
is a forward	ded call is released to the	e diverted-to user.	
	and 9.2.5 ISDN-GSM/Suppleme Call to a forwarding su The user B is in netwo call diversion"= <b>No</b> ) (s Ensure that when use User A is not notified User C receives a SE a forwarded call. Ensure that in the call performed correctly if Ensure that in the acti B-channels is perform BC=I_BC_ID CFBUDUB active GSM-BC=G_BC_ID NOTE: Stage 1, 2 are not in lidiverting ex- subscriber	EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5 ISDN-GSM/Supplementary_services/CFB Call to a forwarding subscriber (CFB) The user B is in network N2 and is provided w call diversion"= <b>No</b> ) (see note) Ensure that when user A calls busy user B, the User A is not notified of call diversion User C receives a SETUP message with the N a forwarded call. Ensure that in the call delivered state (N4) the performed correctly if tones/announcement are Ensure that in the active call state (N10) the vo B-channels is performed correctly. BC=I_BC_ID CFBUDUB active GSM-BC=G_BC_ID NOTE: Stage 1, 2 and 3 descriptions of the are not in line with EN 300 646-1 [9 diverting exchange according to EN	

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ncoming call is			
User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.			
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
performed correctly if tones/announcement are applied.			
Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
B-channels is performed correctly.			
BC=I_BC_ID			
CFBNDUB active			
GSM-BC=G BC ID			
ntary_services			
C acts like a			
/ed mobile			
incoming call			
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ICDN ref. to:	PLMN ref. to:		
	EN 300 952 [63], clause 2		
and 9.2.5 TS 100 543 [55], clause 2			
ISDN-GSM/Supplementary_services/CFB			
Call to a forwarding subscriber (CFB)			
The user B is in network N2 and is provided	with CFBNDUB ("calling user is notified of		
call diversion"=No; "notification to forwarding	g subscriber"= <b>No</b> ) (see note)		
Ensure that when user A calls busy user B,	the call is forwarded to user C.		
User <b>A</b> is not notified of call diversion.			
User <b>B</b> is not notified of call diversion.			
User C receives a SETUP message with the	e NotifySSoparation that the incoming call is		
a forwarded call.			
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
performed correctly if tones/announcement are applied.			
Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
B-channels is performed correctly.			
BC=I_BC_ID			
CFBNDUB active			
GSM-BC=G_BC_ID			
NOTE: Stage 1, 2 and 3 descriptions of t	he call forwarding Supplementary_services		
are not in line with the EN 300 64	6-1 [96], clause 6.1.1.10 (MSC acts like a		
diverting exchange according to I	EN 300 356-15 [95]). The served mobile		
	ecide if the indication that the incoming call		
is a forwarded call is released to			
	Call to a forwarding subscriber (CFB) The user B is in network N2 and is provided call diversion"=No; "notification to forwardin Ensure that when user A calls busy user B, User A is not notified of call diversion. User C receives a SETUP message with the a forwarded call. Ensure that in the call delivered state (N4) th performed correctly if tones/announcement Ensure that in the active call state (N10) the B-channels is performed correctly. BC=I_BC_ID CFBNDUB active GSM-BC=G_BC_ID NOTE: Stage 1, 2 and 3 descriptions of the are not in line with the EN 300 6444 diverting exchange according to a subscriber has not the ability to d		

IGP xxSSCFB01	ISDN ref	to:	PLMN ref. to:		
IGFXX33CFB01					
		207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2		
	and 9.2.5		TS 100 543 [55], clause 2		
TSSreference:	ISDN-GS	M/Supplementary_services/CFB			
ISDN selection	Call to a	forwarding subscriber (CFB)			
criteria:					
PLMN selection	The user	B is in network N2 and is provided v	with CFB <b>UDUB</b> ("calling user is notified of		
criteria:		sion"= <b>Yes</b> ) (see note)			
Test purpose:		Ensure that when user A calls busy user B, the call is forwarded to user C.			
	User A is	notified of call diversion.			
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
		performed correctly if tones/announcement are applied.			
		Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
		B-channels is performed correctly.			
ISDN parameter		BC=I_BC_ID			
values:	_				
PLMN parameter	CFBUDU	CFBUDUB active			
values:					
Comments:	NOTE:	are not in line with the EN 300 646 exchange according to EN 300 35	6-15 [95]). The served mobile subscriber ndication that the incoming call is a		

IGPxxSSCFB02	ISDN ref	to:	PLMN ref. to:		
		207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2		
	and 9.2.5		TS 100 543 [55], clause 2		
TSSreference:	ISDN-GS	M/Supplementary_services/CFB			
ISDN selection	Call to a	forwarding subscriber (CFB)			
criteria:					
PLMN selection	The user	The user B is in network N2 and is provided with CFBUDUB ("calling user is notified of			
criteria:	call diver	sion"=No) (see note)			
Test purpose:	Ensure th	nat when user A calls busy user B, the	call is forwarded to user C.		
	User A is	not notified of call diversion.			
	Ensure th	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.				
		nat in the active call state (N10) the voi			
	B-channels is performed correctly.				
ISDN parameter		BC=I_BC_ID			
values:					
PLMN parameter	CFBUDUB active				
values:					
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of the c	all forwarding Supplementary_services		
		are not in line with EN 300 646-1 [96]			
		diverting exchange according to EN			
			le if the indication that the incoming call		
		is a forwarded call is released to the	0		
		is a forwarded call is released to the			

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er is notified of			
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User <b>B</b> is notified of call diversion.			
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
performed correctly if tones/announcement are applied.			
Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
B-channels is performed correctly.			
BC=I_BC_ID			
CFBNDUB active			
ntary_services			
SC acts like a			
/ed mobile			
e incoming call			
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IGPxxSSCFB04	ISDN ref.	. to:	PLMN ref. to:	
	EN 300 2	207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2	
	and 9.2.5	5	TS 100 543 [55], clause 2	
TSSreference:	ISDN-GS	M/Supplementary_services/CFB		
ISDN selection	Call to a f	forwarding subscriber (CFB)		
criteria:				
PLMN selection	The user	The user B is in network N2 and is provided with CFBNDUB ("calling user is notified of		
criteria:	call divers	sion"= <b>No</b> ; "notification to forwarding su	bscriber"= <b>No</b> ) (see note)	
Test purpose:	Ensure th	hat when user A calls busy user B, the	call is forwarded to user C.	
	User A is	not notified of call diversion.		
	User <b>B</b> is	not notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
	B-channels is performed correctly.			
ISDN parameter	BC=I_BC_ID			
values:				
PLMN parameter	CFBNDUB active			
values:				
Comments:	NOTE:	are not in line with the EN 300 646-1 diverting exchange according to EN 3	e if the indication that the incoming call	

IGU xxSSCFB01	ISDN ref.	to:		PLMN ref. to:
		07-1 [17], clauses 9.2.2, 9.2.4	3	EN 300 952 [63], clause 2
	and 9.2.5		.0	TS 100 543 [55], clause 2
TSSreference:		M/Supplementary_services/C	FR	10 100 040 [00], 010030 2
ISDN selection	Call to a f	orwarding subscriber (CFB)		
criteria:				
PLMN selection	The user	B is in network N2 and is prov	vided with	CFB <b>UDUB</b> ("calling user is notified of
criteria:	call divers	sion"= <b>Yes</b> ) (see note)		
Test purpose:	Ensure th	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is	notified of call diversion.		
	User C re	ceives a SETUP message wi	th the No	tifySSoparation that the incoming call is
		a forwarded call.		
		Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and			
10011	B-channels is performed correctly.			
ISDN parameter	BC=I_BC_ID			
values:				
PLMN parameter	CFBUDUB active			
values:	GSM-BC=G_BC_ID			
Comments:	NOTE:	Stage 1, 2 and 3 description	s of the c	all forwarding Supplementary_services
	_			[96], (MSC acts like a diverting
				5 [95]).The served mobile subscriber
				cation that the incoming call is a
		forwarded call is released to		
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IGUxxSSCFB02	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2		
	and 9.2.5	TS 100 543 [55], clause 2		
TSSreference:	ISDN-GSM/Supplementary_services/CFB			
ISDN selection	Call to a forwarding subscriber (CFB)			
criteria:				
PLMN selection	The user B is in network N2 and is provided with	th CFB <b>UDUB</b> ("calling user is notified of		
criteria:	call diversion"= <b>No</b> ) (see note)			
Test purpose:	Ensure that when user A calls busy user B, the	call is forwarded to user C.		
	User A is not notified of call diversion			
	User C receives a SETUP message with the N	otifvSSoparation that the incoming call is		
	a forwarded call.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the vo			
	B-channels is performed correctly.			
ISDN parameter	BC=I_BC_ID			
values:	bo-i_bo_ib			
PLMN parameter	CFBUDUB active			
values:	GSM-BC=G_BC_ID			
Comments:	NOTE: Stage 1. 2 and 3 descriptions of the	call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96			
		300 356-15 [95]). The served mobile		
	<b>v</b>	de if the indication that the incoming call		
	is a forwarded call is released to the	5		
	is a forwarded call is released to the	diverted-to user.		

	PLMN ref. to:	
EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2	
and 9.2.5	TS 100 543 [55], clause 2	
ISDN-GSM/Supplementary_services/CFB		
Call to a forwarding subscriber (CFB)		
The user B is in network N2 and is provided w	vith CFB <b>NDUB</b> ("calling user is notified of	
call diversion"=Yes; "notification to forwarding	g subscriber"=Yes) (see note)	
Ensure that when user A calls busy user B, the call is forwarded to user C.		
User <b>A</b> is notified of call diversion.		
User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
a forwarded call.		
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
performed correctly if tones/announcement are applied.		
Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
BC=I_BC_ID		
CFBNDUB active		
GSM-BC=G_BC_ID		
NOTE: Stage 1, 2 and 3 descriptions of the	e call forwarding Supplementary_services	
are not in line with the EN 300 646	-1 [96], clause 6.1.1.10 (MSC acts like a	
diverting exchange according to EN	N 300 356-15 [95]). The served mobile	
	cide if the indication that the incoming call	
is a forwarded call is released to th		
	ISDN-GSM/Supplementary_services/CFB Call to a forwarding subscriber (CFB) The user B is in network N2 and is provided w call diversion"= <b>Yes;</b> "notification to forwarding Ensure that when user A calls busy user B, th User <b>A</b> is notified of call diversion. User <b>B</b> is notified of call diversion. User <b>C</b> receives a SETUP message with the a forwarded call. Ensure that in the call delivered state (N4) the performed correctly if tones/announcement at Ensure that in the active call state (N10) the w B-channels is performed correctly. BC=I_BC_ID CFBNDUB active GSM-BC=G_BC_ID NOTE: Stage 1, 2 and 3 descriptions of the are not in line with the EN 300 646 diverting exchange according to Eff subscriber has not the ability to determine the set of the solution of the subscriber has not the ability to determine the subscriber has not the subscriber has n	

IGU xxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	EN 300 952 [63], clause 2
	9.2.4.3 and 9.2.5	TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/C	
ISDN selection	Call to a forwarding subscriber (CFB)	
criteria:	<b>U</b>	
PLMN selection	The user B is in network N2 and is pro	vided with CFBNDUB ("calling user is notified of
criteria:	call diversion"=No; "notification to forw	arding subscriber"= <b>No</b> ) (see note)
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion. User B is not notified of call diversion. User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:	GSM-BC=G_BC_ID	
Comments:	are not in line with the EN 3 diverting exchange accordir	as of the call forwarding Supplementary_services 00 646-1 [96], clause 6.1.1.10 (MSC acts like a ng to EN 300 356-15 [95]). The served mobile y to decide if the indication that the incoming call ed to the diverted-to user.

IGIxxSSCFNRy01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy	
ISDN selection	Call to a forwarding subscriber (CFNRy)	
criteria:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFNRy active	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGIxxSSCFNRy02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
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TSSreference:	ISDN-GSM/Supplementary_services/CFNRy		
ISDN selection	Call to a forwarding subscriber (CFNRy)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User <b>A</b> is not notified of call diversion.		
	User <b>B</b> is not notified of call diversion.		
	User <b>C</b> receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the and B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I BC ID		
values:	<b>C:</b> ? BC=I_BC_ID		
PLMN parameter	CFNRy active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

IGGxxSSCFNRy01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy	
ISDN selection	Call to a forwarding subscriber (CFNRy)	
criteria:		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. User B is notified of call diversion. User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter	CFNRy active	
values:	GSM-BC=G_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGG xxSSCFNRy02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy		
ISDN selection	Call to a forwarding subscriber (CFNRy)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User <b>A</b> is not notified of call diversion.		
	User <b>B</b> is not notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
ISDN parameter	A: ! BC=I BC ID		
values:			
PLMN parameter	CFNRy active		
values:	C: ? GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		
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	ISDN ref. to: PLMN ref. to:		
IGPxxSSCFNRy01			
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy		
ISDN selection	Call to a forwarding subscriber (CFNRy)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User A is notified of call diversion.		
	User <b>B</b> is notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
	B-channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRy active		
values:	GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

	ISDN ref. to: PL	LMN ref. to:	
IGPxxSSCFNRy02			
	EN 300 207-1 [17], clauses 9.2.2, EN		
	9.2.4.4 and 9.2.5	S 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/	CFNRy	
ISDN selection	Call to a forwarding subscriber (CFNR	Ry)	
criteria:			
PLMN selection	The user B is in network N2 and is pro	ovided with CFNRy ("calling user is notified of call	
criteria:	diversion"=No "notification to forwardi	ng subscriber"= <b>No</b> ) (see note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User A is not notified of call diversion.		
	User <b>B</b> is not notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
	B-channels is performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:			
PLMN parameter	CFNRy active		
values:	C: ? GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 description	ns of the call forwarding Supplementary_services	
	are not in line with EN 300	646-1 [96], clause 6.1.1.10 (MSC acts like a	
	diverting exchange accordi	ng to EN 300 356-15 [95]). The served mobile	
		ty to decide if the indication that the incoming call	
	is a forwarded call is releas		
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ISDN ref. to: PLMN ref. to:		
EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
ISDN-GSM/Supplementary_services/CFNRy		
Call to a forwarding subscriber (CFNRy)		
The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)		
Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
User <b>A</b> is notified of call diversion.		
User <b>B</b> is notified of call diversion.		
User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
a forwarded call.		
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
performed correctly if tones/announcement are applied.		
Ensure that in the active call state (N10) the voice/data transfer on the traffic and		
B-channels is performed correctly.		
BC=I_BC_ID		
CFNRy active		
GSM-BC=G_BC_ID		
NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
diverting exchange according to EN 300 356-15 [95]). The served mobile		
subscriber has not the ability to decide if the indication that the incoming call		
is a forwarded call is released to the diverted-to user.		

IGU xxSSCFNRy02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy		
ISDN selection	Call to a forwarding subscriber (CFNRy)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User A is not notified of call diversion.		
	User <b>B</b> is not notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
ISDN parameter	A: ! BC=I_BC_ID		
values:			
PLMN parameter	CFNRy active		
values:	C: ? GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		
	is a forwarded call is released to the diverted-to user.		

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IGIxxSSCFNRc01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc		
ISDN selection	Call to a forwarding subscriber (CFNRc)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>Yes</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion.		
	User <b>C</b> receives a SETUP message with the information that the incoming call is a		
	forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I BC ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

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ISDN ref. to: PLMN ref. to:		
EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
ISDN-GSM/Supplementary_services/CFNRc		
Call to a forwarding subscriber (CFNRc)		
The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
diversion"= <b>No</b> ) (see note)		
Ensure that when user A calls user B, if detached the call is forwarded to		
user C.		
User <b>A</b> is not notified of call diversion.		
User C receives a SETUP message with the information that the incoming call is a		
forwarded call.		
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
performed correctly if tones/announcement are applied.		
Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
performed correctly.		
A: ! BC=I BC ID		
<b>C:</b> ? BC=I_BC_ID		
CFNRc active, the user is detached		
NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
diverting exchange according to EN 300 356-15 [95]). The served mobile		
subscriber has not the ability to decide if the indication that the incoming call		
is a forwarded call is released to the diverted-to user.		

ISDN ref. to: PLMN ref. to:		
EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
ISDN-GSM/Supplementary_services/CFNRc		
Call to a forwarding subscriber (CFNRc)		
The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
diversion"=Yes) (see note)		
Ensure that when user A calls user B, if detached, the call is forwarded to user C.		
User A is notified of call diversion.		
User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
a forwarded call.		
Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
performed correctly if tones/announcement are applied.		
Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
performed correctly.		
BC=I_BC_ID		
CFNRc active, the user is detached		
GSM-BC=G_BC_ID		
NOTE Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
diverting exchange according to EN 300 356-15 [95]). The served mobile		
subscriber has not the ability to decide if the indication that the incoming call		
is a forwarded call is released to the diverted-to user.		

IGG_xxSSCFNRc02	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2,			
	9.2.4.4 and 9.2.5	TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_service			
ISDN selection	Call to a forwarding subscriber (CF			
criteria:				
PLMN selection	The user B is in network N2 and is	provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>No</b> ) (see note)			
Test purpose:	Ensure that when user A calls user B, <b>if detached</b> the call is forwarded to user C.			
	User <b>A</b> is not notified of call diversion.			
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is			
	a forwarded call.	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.			
ISDN parameter	BC=I_BC_ID			
values:				
PLMN parameter	CFNRc active, the user is detached			
values:	GSM-BC=G_BC_ID			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.			

IGPxxSSCFNRc01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc		
ISDN selection	Call to a forwarding subscriber (CFNRc)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>Yes</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.		

IGP xxSSCFNRc02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,		
	9.2.4.4 and 9.2.5	TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_service	es/CFNRc	
ISDN selection	Call to a forwarding subscriber (CF	NRc)	
criteria:	<b>č</b>		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>No</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to		
	user C.		
	User <b>A</b> is not notified of call diversion.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
		Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	BC=I BC ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	are not in line with EN 3 diverting exchange accorsubscriber has not the a	otions of the call forwarding Supplementary_services 00 646-1 [96], clause 6.1.1.10 (MSC acts like a ording to EN 300 356-15 [95]). The served mobile bility to decide if the indication that the incoming call eased to the diverted-to user.	

IGUxxSSCFNRc01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc		
ISDN selection	Call to a forwarding subscriber (CFNRc)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>Yes</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I BC ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:	GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

IGUxxSSCFNRc02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc		
ISDN selection	Call to a forwarding subscriber (CFNRc)		
criteria:			
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"=No) (see note)		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to		
	user C.		
	User A is not notified of call diversion.		
	User <b>C</b> receives a SETUP message with the NotifySSoparation that the incoming call is		
	a forwarded call.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:	GSM-BC=G_BC_ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

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IGxxSSHOLD01	ISDN ref. to:	PLMN ref. to:	
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2	
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2	
TSSreference:	ISDN-GSM/Supplementary_services/HOLD		
ISDN selection	Call Hold	Call Hold	
criteria:			
PLMN selection	Call Hold		
criteria:			
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGxxSSHOLD02	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
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 in the held state.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IG xxSSHOLD03	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_service	es/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
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 non -served user during the	
	held state.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSHOLD04	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services	s/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSHOLD05	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_servic	es/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IG xxSSHOLD06	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1 [21], clause 7	EN 300 953 [64], clause 2
	EN 300 196-1 [27], clause 7.1	TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_service	es/HOLD
ISDN selection	Call Hold	
criteria:		
PLMN selection	Call Hold	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non -served user during the held state.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCW01	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1 [22], clause 7	EN 300 953 [64], clause 1
	EN 300 403-1 [1], clause 4.5.2.1	TS 100 544 [56], clause 1
TSSreference:	ISDN-GSM/Supplementary_servic	es/CW
ISDN selection	CW	
criteria:		
PLMN selection	The called user is provided with C	N
criteria:		
Test purpose:	Ensure that the called user (MS) responds with CALL-CONFIRMED and ALERTING (where the call is a waiting call), the calling user receives ALERTING message containing a Notification indicator information element coded as "call is a waiting call".	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCW02	ISDN ref. to:	PLMN ref. to:	
	EN 300 058-1 [22], clause 7	EN 300 953 [64], clause 1	
	EN 300 403-1 [1], clause 4.5.2.1	TS 100 544 [56], clause 1	
TSSreference:	ISDN-GSM/Supplementary_servic	es/CW	
ISDN selection	CW		
criteria:			
PLMN selection	The called user is provided with C	The called user is provided with CW	
criteria:			
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGxxSSUUS1i01	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clauses 9.1.1.1 and 9.1.2.1	EN 300 940 [59], clause 10.5.4.25
	EN 300 403-1 [1], clause 4.5.30	
TSSreference:	ISDN-GSM/Supplementary_services/UUS1	
ISDN selection	The calling (served) user is provided with UUS1 in	nplicit request
criteria:		
PLMN selection	UUS1i	
criteria		
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	
ISDN parameter	BC=I BC ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values		
Comments:		

IG xxSSUUS1i02	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.2.1	EN 300 940 [59], clause 10.5.4.25
	EN 300 403-1 [1], clause 4.5.30	
TSSreference:	ISDN-GSM/Supplementary_services/Ul	
ISDN selection	The calling (served) user is provided wit	th UUS1 implicit request
criteria:		
PLMN selection	UUS1i	
criteria		
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.	
ISDN parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values		
Comments:		

IGxxSSUUS1i03	ISDN ref. to: EN 300 286-1 [14], clause 9.1.2.1	PLMN ref. to: EN 300 940 [59], clause 10.5.4.25
	EN 300 403-1 [1], clause 4.5.30	
TSSreference:	ISDN-GSM/Supplementary_services/UU	S1
ISDN selection	The calling (served) user is provided with	UUS1 implicit request
criteria:		
PLMN selection	UUS1i	
criteria		
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	
ISDN Parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values:		
Comments:		

IGxxSSUUS1i04	ISDN ref. to: EN 300 286-1 [14], clause 9.1.2.2.1a EN 300 403-1 [1]	PLMN ref. to: EN 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UUS	51
ISDN selection criteria:	The calling (served) user is provided with	UUS1 implicit request
PLMN selection criteria:	UUS1i	
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.	
ISDN parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

IGxxSSUUS1i05	PLMN ref. to EN 300 286-1 [14], clause 9.1.2.2.1b EN 300 403-1 [1]	PLMN ref. to: EN 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UU	
ISDN selection criteria:	The calling (served) user is provided with	n UUS1 implicit request
PLMN selection criteria	UUS1i	
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	
ISDN parameter values:	BC=I_BC_ID, UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

IGxxSSUUS1i06	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 940 [59], clause 10.5.4.25
	EN 300 403-1 [1], clause 7	
TSSreference:	ISDN-GSM/Supplementary_services/UUS	S1i
ISDN selection	The calling (served) user is provided with	UUS1 implicit request.
criteria:		
PLMN selection	UUS1i	
criteria:		
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded by the network without disrupting normal call handling	
ISDN Parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values:		
Comments:	•	

IGxxSSUUS1e01	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.1	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	
TSSreference:	ISDN-GSM/Supplementary_services/UU	IS1e
ISDN selection	UUS1 e	
criteria:		
PLMN selection	UUS1e	
criteria:		
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	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS1e02	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	
TSSreference:	ISDN-GSM/Supplementary_services/UL	JS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
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 in the ALERTING message sent to the called network. The called network shall include the error value "rejectedByUser"in the alerting indication. The calling network shall also include this rejection in the corresponding ALERTING message to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS1e03	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	
TSSreference:	ISDN-GSM/Supplementary_services/UUS	1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as " <b>UUS</b> <b>not required</b> ", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The called network shall include the error value "rejectedByUser" 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS1e04	EN 300 286-1 [14], clause 9.1.1.2.2 E	2LMN ref. to: N 300 646-1 [96], clause 6.1.1.4 S 124 087 [97], clause 4.1.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS	1e
ISDN selection criteria:	UUS1e	
PLMN selection	Destination network rejects explicit the U	US1 request
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination <b>network</b> rejects <b>explicit</b> 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.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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 progress, answer, connect, or release messages.	

IGxxSSUUS1e05	ISDN ref. to: EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	<b>PLMN ref. to:</b> EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97]	
TSSreference:	ISDN-GSM/Supplementary_services/UUS	51e	
ISDN selection criteria:	UUS1e	UUS1e	
PLMN selection criteria:	UUS1e		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>required</b> ", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

IGxxSSUUS1e06	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97]
TSSreference:	ISDN-GSM/Supplementary_services/UU	IS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>required</b> ", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS1e07	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14],	TS 124 087 [97]
	EN 300 403-1 [1]	TS 123 087 [98], clause 4.1.2.1
TSSreference:	ISDN-GSM/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>required</b> ", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGxxSSUUS1e08	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14]	TS 124 087 [97]
	EN 300 403-1 [1]	TS 123 087 [98], clauses 4.1.2.1, 5.1.1, annex A
TSSreference:	ISDN-GSM/Supplementary_serv	rices/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>required</b> ", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS1e09	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	
TSSreference:	ISDN-GSM/Supplementary_services/UI	JS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", and the called network already has obtained knowledge that <b>the network itself cannot support</b> service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS201	ISDN ref. to:         PLMN ref. to:           EN 300 286-1 [14], clause 9.2.2.1         EN 300 646-1 [1], clause 6.1.1.4           TS 124 087 [97], clause 4.2.1.2	
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGxxSSUUS202	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.2.1.2	EN 300 646-1 [1], clause 6.1.1.4
		TS 124 087 [97], clause 4.2.1.2
TSSreference:	ISDN-GSM/Supplementary_service	es/UUS2
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", if the network does not receive 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 a ALERTING message sent from the network and the call can be established.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS203	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97], clause 4.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection	UUS2	
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:	The calling (served) user is provided with UUS2 explicit request as "preferred" (not-essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IG xxSSUUS204	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	TS 124 087 [97]
	EN 300 403-1 [1], clause 7	TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection	UUS 2 e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>required</b> ", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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IGxxSSUUS205	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.1.1.2.2	TS 124 087 [97]
	EN 300 403-1 [1], clause 7	TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection	UUS2 e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "required", if the network does not	
	receive an explicit acceptance or rejection in the ALERTING message from the called	
	user, the served subscriber shall clear the call	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS206	ISDN ref. to: EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	PLMN ref. to: TS 124 087 [97] TS 123 087 [98]
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG xxSSUUS301	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.3.1.1	EN 300 646-1 [96] clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UL	JS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 <b>during call establishment</b> indicating "preferred", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS302	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.3.1.1	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UL	JS3
ISDN selection	UUS3	
criteria:		
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating	
criteria:	"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.
Test purpose:		
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS303	ISDN ref. to: EN 300 286-1 [14], clause 9.3.1.1 EN 300 403-1 [1], clause 7	PLMN ref. to: EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 <b>during call establishment</b> indicating "required", the network can transport USER INFORMATION messages in both directions during the Active state of the call	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGxxSSUUS304	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.3.2.1	TS 124 087 [97]
	EN 300 403-1 [1], clause 7	TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
PLMN selection	UUS3	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS3 <b>during call establishment</b> indicating <b>"UUS</b> <b>required</b> ", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter	BC=I_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

IGxxSSUUS305	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.3.2.1	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97], clause 4.3.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during the <b>Active call state</b> indicating "preferred", if the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSUUS306	ISDN ref. to: EN 300 286-1 [14], clause 9.3.2.2 EN 300 403-1 [1], clause 7	PLMN ref. to: EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the <b>Active call state</b> 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGIxxSNECT01	ISDN ref. to:	PLMN ref. to:	
	EN 300 369-1 [25], clause 9	EN 300 940 [59], clause 5.2	
TSSreference:	ISDN-GSM/Supplementary_ser	vices/ECT	
ISDN selection	ECT		
criteria:			
PLMN selection			
criteria:			
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 <b>A-B</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.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

	ISDN ref. to:	PLMN ref. to:	
IGIXXSNECT02			
	EN 300 369-1 [25], clause 9	EN 300 940 [59], clause 5.2	
TSSreference:	ISDN-GSM/Supplementary_ser	vices/ECT	
ISDN selection	ECT		
criteria:			
PLMN selection			
criteria:			
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 <b>A-B</b> is in the <b>Active call sate</b> and the call <b>A-C</b> is in the <b>Active call 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. The call clearing procedure of the B-C connection is performed from user C.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

IGIxxSNECT03	ISDN ref. to: PLMN ref. to:	
	EN 300 369-1 [25], clause 9 EN 300 940 [59], clause 5.2	
TSSreference:	ISDN-GSM/Supplementary_services/ECT	
ISDN selection	ECT	
criteria:		
PLMN selection		
criteria:		
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 <b>A-B</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>Call Delivered 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 B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGIxxSNECT04	ISDN ref. to:	PLMN ref. to:	
	EN 300 369-1 [25], clause 9	EN 300 940 [59], clause 5.2	
TSSreference:	ISDN-GSM/Supplementary_services/ECT		
ISDN selection	ECT		
criteria:			
PLMN selection			
criteria:			
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 <b>A-B</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.		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IG xxSSCCBS01	ISDN ref. to: PLMN ref. to:		
IGXX350000501	EN 300 359-1 [24], clause 9.1.2 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary_services/CCBS		
ISDN selection	OLE and DLE are supporting the CCBS supplementary service and this supplementary		
criteria:			
citteria.	service is available to user A		
	Signalling procedures at the coincident S and T reference point		
	recall option=RO_ID		
PLMN selection	User A is in network N1, user B is in network N2		
criteria:			
Test purpose:	Ensure that user A can establish a successful CCBS call setup if a multipoint		
	configuration exits.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	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 CCBSRequest 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.		

IG xxSSCCBS02	ISDN ref. to: PLMN ref. to:		
10	EN 300 359-1 [24], clauses 9.4.3.1 and 9.4.4.1 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary services/CCBS		
ISDN selection	OLE and DLE are supporting the CCBS supplementary service and this supplementary		
criteria:	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.		
PLMN selection criteria:			
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 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".		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter values:			
Comments:	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" and enters the call state N04.		

	ISDN ref. to:	PLMN ref. to:	
IGxxSSCCBS03			
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14	
TSSreference:	ISDN-GSM/Supplementary_services/CCBS		
ISDN selection	OLE and DLE are supporting the CCBS supplementary service and this supplementary		
criteria:	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.		
PLMN selection			
criteria:			
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 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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	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 element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N10.		

IGxxSSCCBS04	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24], clauses 9.2.1 and 9.4.4.1	EN 300 646-1 [1], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection	OLE and DLE are supporting the CCBS supple	mentary service and this supplementary
criteria:	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	2.
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and <b>CCBS Activated state</b> the user can initiate the deactivation procedure.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter		
values:		
Comments:	Ensure that the user (when the network A is in the state), on receipt of a FACILITY message contral a CCBSDeactivate invoke component including sends to user A a FACILITY message containing CCBSDeactivate return result component with the unspecified" and a Facility message containing CCBSerase invoke component.	aining a Facility information element with the correct CCBSReference parameter, og a Facility information element with a CCBSEraseReason indicating "normal-

IG xSSCCBS05	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	ces/CCBS
ISDN selection		CCBS supplementary service and this supplementary
criteria:	service is available to user A Signalling procedures at the coinc	vident S and T reference point
	User A is in network N1, user B is	
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and <b>CCBS free state</b> the user can initiate the deactivation procedure.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and <b>CCBS free state</b> ), 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.	

IG xxSSCCBS06	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/CCBS
ISDN 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 coincident S and T reference point	
PLMN selection criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IGxxSSCCBS07	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/CCBS
ISDN selection	Network A and network B are supp	oorting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coinci Recall option=RO_ID.	dent S and T reference point
PLMN selection criteria:		
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.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Bearer capability information eleme element with a CCBSCall invoke of previously sent CCBSRemoteUser selected, the network A sends to u	S free state on receipt of SETUP message containing ent from the original call and a Facility information omponent including the CCBSReference from the Free invoke component, when no B-channels can be ser a RELEASE COMPLETE with the cause #34 or Furthermore, network A shall suspend the CCBS

IG xxSSCCBS08	ISDN ref. to:	PLMN ref. to:
IGXX330000300		
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/CCBS
ISDN selection		porting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coinci	dent S and T reference point
	The network option "CCBS reques	
PLMN selection		
criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	State, if network B cannot establish	

IGxxSSCCBS09	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14	
TSSreference:	ISDN-GSM/Supplementary_services/CCBS		
ISDN selection	Network A and network B are supp	orting the CCBS supplementary service and this	
criteria:	supplementary service is available		
	Signalling procedures at the coincid		
	Network option "CCBS request rete	ention" is set to "no"	
	multipoint configuration		
PLMN selection			
criteria:			
Test purpose:		ablish the call because user B is busy again, network	
		earing. User A can activate the CCBS supplementary	
	service again.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	State, where a <b>multipoint configu</b> because user B is busy again,	utgoing Call Proceeding state and CCBS Call Init ration exists, if network B cannot establish the call	
	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		
	CCBSErase invoke component incl "basic-call-failed.	me) containing a Facility information element with a luding CCBSEraseREason encoded as	
	User A can activate the CCBS sup	plementary service again.	

IGxxSSCCBS10	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementa	ry_services/CCBS
ISDN selection	Network A and network B	are supporting the CCBS supplementary service and this
criteria:	supplementary service is	available to user A.
	Signalling procedures at t	he coincident S and T reference point
	Network option "CCBS re	quest retention" is set to "no"
	multipoint configuration	
PLMN selection		
criteria:		
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a <b>multipoint configuration exists</b> , if network B cannot establish the call for <b>any reason other than the called user is busy</b> , 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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IG xxSSCCBS11	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/CCBS
ISDN selection	Network A and network B are supp	orting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coincid	dent S and T reference point
PLMN selection		
criteria:		
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".	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IGIxxSICFU_CLI_C	ISDN ref. to:	PLMN ref. to:
OL01	EN 300 207-1 [17]	EN 300 952 [63], clause 1
OLOT	clauses 9.2.2 and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection		etwork N1. User A is provided with CLIP and COLP
criteria:	user C is provided with CLIP.	etwork fur. User A is provided with OEI and OOEI
PLMN selection	The user B is in petwork N2 provid	ed with CFU("calling user is notified of call diversion
criteria:	"= <b>Yes)</b> (see note)	
Test purpose:		B the call is forwarded to user C
Test purpose.	Ensure that when user A calls user B, the call is forwarded to user C. Jser A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. Jser C can receive the <i>Redirecting number</i> IE (see note) giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFUactive	
values:		
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User <b>C</b> can receive a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
	are not in line with EN 3 diverting exchange accorsubscriber has not the a is a forwarded call is relevant the anti- redirecting number to a	otions of the call forwarding Supplementary_services 00 646-1 [96], clause 6.1.1.10 (MSC acts like a ording to EN 300 356-15 [95]). The served mobile bility to decide if the indication that the incoming call eased to the diverted-to user. The setting of the the forwarded-to subscriber in the ISUP signalling of e considered as an implementation option.

IGIxxSICFU_CLI_C	ISDN ref. to:	PLMN ref. to:
OL02	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1
0202	and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection		etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	
PLMN selection	The user B is in network N2 provid	ed with CFU("calling user is notified of call
criteria:	diversion"=Yes) and CLIP (see not	
Test purpose:	Ensure that when user A calls user	
	User A is notified of call diversion a	and the presentation of the diverted-to number is <b>not</b>
	allowed accordance with the COLF	R supplementary service of the diverted-to user.
		g number IE giving the reason for call diversion with
	the presentation indicator set to "pi	
		number is provided by the calling user, the Calling
		is delivered to the called user without any digit
	information.	
		ate (N4) the transfer of tone on the B-channel is
	performed correctly if tones/announ	
		(N10) the voice/data transfer on the B-channels is
ISDN parameter	performed correctly. A: ! BC=I_BC_ID	
values:	<b>C</b> : ? BC=I_BC_ID	
PLMN parameter	CFUactive	
values:	Croactive	
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY	
	or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT,	
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or	
	NOTIFY (state N04) message.	
	The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR	
	supplementary service of the diverted-to user.	
		he numbering identification field and the type of
	number field set to "unknown", without a number digits field and the presentation	
		n restricted" can be included in the ALERTING,
		TION (state N03), CONNECT, NOTIFY or
	INFORMATION (state N04) messa	age. sage containing one <b>Redirecting number</b> IE giving
	the reason for call diversion with the presentation indicator set to "presentation allowed".	
	NOTE: Stage 1. 2 and 3 description	otions of the call forwarding Supplementary_services
		00 646-1 [96], clause 6.1.1.10 (MSC acts like a
		ording to EN 300 356-15 [95]). The served mobile
		ability to decide if the indication that the incoming call
		eased to the diverted-to user. The setting of the
	redirecting number to	the forwarded-to subscriber in the ISUP signalling of
	GSM operators has to b	e considered as an implementation option.

IGIxxSICFU_CLI_C	ISDN ref. to: PLMN ref. to:	
OL03	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1	
OE03		
TSSreference:		
	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call	
criteria:	diversion"=No) and CLIR (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call diversion and not informed of the diverted-to number.	
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with	
	the presentation indicator set to "presentation restricted ".	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFUactive	
values:		
Comments:	The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

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IGGxxSICFU_CLI_	ISDN ref. to:	PLMN ref. to:
COL01	EN 300 207-1 [17]	EN 300 952 [63], clause 1
	clauses 9.2.2 and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_service	es/CFU_CLI_COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provid "=Yes) and CLIP.	ed with CFU("calling user is notified of call diversion
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

	ISDN ref. to:	DI MNI rof. to.
IGGxxSICFU_CLI_		PLMN ref. to:
COL02	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1
	and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_service	es/CFU_CLI_COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP.
criteria:		
PLMN selection	The user B is in network N2 provid	ed with CFU("calling user is notified of call
criteria:	diversion"=Yes) and CLIP. User C	is provided with COLR and CLIP.
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call diversion a	and the presentation of the diverted-to number is <b>not</b>
	allowed accordance with the COLR supplementary service of the diverted-to user.	
	Ensure that when the Calling party number is provided by the calling user, the Calling	
	party number information element is delivered to the called user without any digit	
	information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

IGGxxSICFU_CLI_	ISDN ref. to: PLMN ref. to:	
COL03	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1	
	and 9.2.5 TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
criteria:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call	
criteria:	diversion"=No) and CLIR (see note) User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFUactive	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGUxxSICFU_CLI_	ISDN ref. to:	PLMN ref. to:
COL01	EN 300 207-1 [17]	EN 300 952 [63], clause 1
	clauses 9.2.2 and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_service	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call diversion	
criteria:	"=Yes)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is notified of call diversion a	and the presentation of the diverted-to number is
	allowed accordance with the COLR supplementary service of the diverted-to user.	
	User C will receive an indication that the call has been forwarded with the appropriate	
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

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IGUxxSICFU_CLI_	ISDN ref. to:	PLMN ref. to:	
COL02	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1	
	and 9.2.5	TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_service	es/CFU_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with COLR and	CLIP.	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call		
criteria:	diversion"=Yes)		
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User A is notified of call diversion a	and the presentation of the diverted-to number is <b>not</b>	
	allowed accordance with the COLF	supplementary service of the diverted-to user.	
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFUactive		
values:			
Comments:			

IGUxxSICFU_CLI_	ISDN ref. to: PLMN ref. to:	
COL03	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1	
	and 9.2.5 TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call	
criteria:	diversion"=No) and CLIR (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A is not notified of call diversion and not informed of the diverted-to number.	
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate	
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	BC=I BC ID	
values:		
PLMN parameter	CFUactive	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services	
	are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a	
	diverting exchange according to EN 300 356-15 [95]). The served mobile	
	subscriber has not the ability to decide if the indication that the incoming call	
	is a forwarded call is released to the diverted-to user.	

IGIxxSICFB_CLI_C	ISDN ref. to: PLMN ref. to:	
OL01	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2	
0201	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2	
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:		
PLMN selection	user C is provided with CLIP. The user B is in network N2 and is provided with CFB <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"=Yes) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
	User A is notified of call diversion and the presentation of the diverted-to number is	
	allowed accordance with the COLR supplementary service of the diverted-to user.	
	User <b>C</b> can receive the <i>Redirecting number</i> IE giving the reason for call diversion with	
	the presentation indicator set to "presentation allowed".	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFBUDUB active	
values:		
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY	
	or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT,	
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or	
	NOTIFY (state N04) message.	
	The presentation of the diverted-to number is allowed accordance with the COLR	
	supplementary service of the diverted-to user. The Redirection number IE with the	
	presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY,	
	INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or	
	PROGRESS(state N04) message.	
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving	
	the reason for call diversion with the presentation indicator set to "presentation allowed"	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services	
	are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a	
	diverting exchange according to EN 300 356-15 [95]). The served mobile	
	subscriber has not the ability to decide if the indication that the incoming call	
	is a forwarded call is released to the diverted-to user. The setting of the	
	redirecting number to the forwarded-to subscriber in the ISUP signalling of	
	GSM operators has to be considered as an implementation option.	

IGIxxSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL02	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1	
0202	and 9.2.5	TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_servic		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and CLIP.		
PLMN selection		The user B is in network N2 provided with CFB <b>UDUB</b> ("calling user is notified of call	
criteria:	diversion"= <b>Yes</b> ) (see note)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is <b>not</b>		
	allowed accordance with the COLF	R supplementary service of the diverted-to user.	
		ng number IE giving the reason for call diversion with	
	the presentation indicator set to "p		
	Ensure that when the Calling party	number is provided by the calling user, the Calling	
		is delivered to the called user without any digit	
	information.		
		ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annou		
		(N10) the voice/data transfer on the B-channels is	
ISDN noromotor	performed correctly.		
ISDN parameter values:	A: ! BC=I_BC_ID C: ? BC=I_BC_ID		
PLMN parameter	CFBUDUB active		
values:			
Comments:		with a Notification indicator IE contained in a NOTIFY	
	or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT,		
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or		
	NOTIFY (state N04) message. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR		
	•		
	supplementary service of the diver	the numbering identification field and the type of	
		nout a number digits field and the presentation	
		restricted" can be included in the ALERTING,	
		TION (state N03), CONNECT, NOTIFY or	
	INFORMATION (state N04) messa		
		sage containing one <i>Redirecting number</i> IE giving	
		ne presentation indicator set to "presentation allowed".	
		ations of the cell ferrording Complementary services	
		ptions of the call forwarding Supplementary_services 000 646-1 [96], clause 6.1.1.10 (MSC acts like a	
		ording to EN 300 356-15 [95]). The served mobile	
	subscriber has not the	ability to decide if the indication that the incoming call	
		eased to the diverted-to user. The setting of the	
		the forwarded-to subscriber in the ISUP signalling of	
		be considered as an implementation option.	
		o considered de dif implementation option.	

IGIXXSICFB_CLI_C	ISDN ref. to: PLMN ref. to:	
OL03	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2	
700 (	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2	
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFBUDUB ("calling user is notified of	
criteria:	call diversion"=No) and CLIR (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	<b>C:</b> ? BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
Comments:	The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted".	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGIXXSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL04	EN 300 207-1 [17], clauses 9.2.2,		
OE04	9.2.4.3 and 9.2.5	TS 100 543 [55], clause 2	
TSSreference:	ISDN-GSM/Supplementary_service		
ISDN selection			
criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.		
PLMN selection		s provided with CFB <b>NDUB</b> ("calling user is notified of	
criteria:			
Test purpose:	call diversion"= <b>Yes</b> ; "notification to forwarding subscriber"= <b>Yes</b> ). and CLIP (see note) Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is		
		R supplementary service of the diverted to hamsel lo	
	User <b>B</b> is notified of call diversion.		
		ing number IE giving the reason for call diversion with	
	the presentation indicator set to "p	presentation allowed".	
	Ensure that when the Calling party	y number is provided by the calling user the Calling	
		is correctly delivered to the called user C.	
		ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annou		
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:		C: ? BC=I_BC_ID	
PLMN parameter	CFBNDUB active	CFBNDUB active	
values: Comments:	Liner A is motified of coll diversion	with a Natification indicator IE contained a NOTIEV or	
comments:		with a Notification indicator IE contained a NOTIFY or	
	CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message.		
	The presentation of the diverted-to number is allowed accordance with the COLR		
		rted-to user. The <b>Redirection number IE</b> with the	
		ained in the ALERTING, CONNECT, NOTIFY,	
		tate N03), CONNECT, NOTIFY, INFORMATION or	
	PROGRESS(state N04) message		
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving		
	the reason for call diversion with the	he presentation indicator set to "presentation allowed".	
	User <b>B</b> is notified with a FACILITY	(Invoke=NotifySS[CFB, SS-Notification ]) message of	
	call diversion.		
		ptions of the call forwarding Supplementary_services	
		300 646-1 [96], clause 6.1.1.10 (MSC acts like a	
		ording to EN 300 356-15 [95]). The served mobile	
		ability to decide if the indication that the incoming call	
		leased to the diverted-to user. The setting of the	
		the forwarded-to subscriber in the ISUP signalling of	
	Goivi operators has to r	be considered as an implementation option.	

IGIxxSICFB_CLI_C	ISDN ref. to: PLMN ref. to:	
OL05	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1	
0200	and 9.2.5 TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and CLIP.	
PLMN selection	The user B is in network N2 provided with CFBNDUB ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) and CLIP (see note).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User <b>A</b> is notified of call diversion the presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified of call diversion.	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	<b>C:</b> ? BC=I_BC_ID	
PLMN parameter	CFBNDUB active	
values:		
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification ]) message of call diversion.	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGGxxSICFB_CLI_	ISDN ref. to: PLMN ref. to:		
COL01	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2		
	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2		
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFB <b>UDUB</b> ("calling user is notified of		
criteria:	call diversion"=Yes) and CLIP (see note)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified of call diversion and the presentation of the diverted-to number is		
	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFBUDUB active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

	ISDN ref. to: PLMN ref. to:	
IGGxxSICFB_CLI_		
COL02	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2	
	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2	
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and CLIP.	
PLMN selection	The user B is in network N2 provided with CFB <b>UDUB</b> ("calling user is notified of call	
criteria:	diversion"= <b>Yes</b> ) and CLIP (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call diversion and the presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User <b>C</b> will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
ISDN parameter	performed correctly. BC=I_BC_ID	
values:		
PLMN parameter	CFBUDUB active	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGGxxSICFB_CLI_	ISDN ref. to: PLMN ref. to:		
COL03	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2		
	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2		
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFBUDUB ("calling user is notified of		
criteria:	call diversion"=No) and CLIR.		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User C will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFBUDUB active		
values:			
Comments:			

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IGIXXSICFB_CLI_C	ISDN ref. to:	PLMN ref. to:	
OL04	EN 300 207-1 [17], clauses 9.2.2,		
	9.2.4.3 and 9.2.5	TS 100 543 [55], clause 2	
TSSreference:	ISDN-GSM/Supplementary_service	es/CFB_CLI_COL	
ISDN selection	The user A and the user C are in n	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is	provided with CFBNDUB ("calling user is notified of	
criteria:	call diversion"=Yes; "notification to	forwarding subscriber"=Yes).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A is notified of call diversion a	and the presentation of the diverted-to number is	
	allowed accordance with the COLR	supplementary service of the diverted-to user.	
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.	,	
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFBNDUB active		
values:			
Comments:			

	ISDN ref. to: PLMN ref. to:		
COL05	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 2		
!	9.2.4.3 and 9.2.5 TS 100 543 [55], clause 2		
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and CLIP.		
PLMN selection	The user B is in network N2 provided with CFBNDUB ("calling user is notified of call		
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is notified of call diversion the presentation of the diverted-to number is not		
	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate		
l I	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
i	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
-	BC=I_BC_ID		
values:			
PLMN parameter	CFBNDUB active		
values:			
Comments:			

IGGxxSICFB_CLI_	ISDN ref. to:	PLMN ref. to:
COL06	EN 300 207-1 [17], clauses 9.2.2,	EN 300 952 [63], clause 2
	9.2.4.3 and 9.2.5	TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_service	es/CFB_CLI_COL
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is	provided with CFBNDUB ("calling user is notified of
criteria:	call diversion"=No;"notification to forwarding subscriber"=No) and CLIR.	
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.
	User A is not notified of call diversion	on and not informed of the diverted-to number.
	User <b>B</b> is not notified of call diversion.	
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate	
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFBNDUB active	
values:		
Comments:		

IGIxxSICFNRy_CLI	ISDN ref. to: PLMN ref. to:	
_COL01	EN 300 403-1 [1], clauses 9.2.2, EN 300 952 [63], clause 3	
700 (	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"= <b>Yes</b> , "notification to forwarding subscriber"= <b>Yes</b> ). and CLIP (see note).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User <b>A</b> is notified of call diversion. The presentation of the diverted to number is allowed	
	accordance with the COLR supplementary service of the diverted-to user.	
	User <b>C</b> can receive the <i>Redirecting number</i> IE giving the reason for call diversion with	
	the presentation indicator set to "presentation allowed".	
	User <b>B</b> is notified of call diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
ISDN parameter	A: ! BC=I BC ID	
values:	<b>C:</b> ? BC=I_BC_ID	
PLMN parameter	CFNRy active	
values:		
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User <b>C can receive</b> a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified with a NOTIFY (Invoke=NotifySS[CFNRy, SS-Notification ]) message of call diversion.	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGIxxSICFNRy_CLI	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1	
_00202	and 9.2.5 TS 100 543 [55], clause 1	
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,	
criteria:	user C is provided with COLR and CLIP.	
PLMN selection	The user B is in network N2 provided with CFNRy ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User C <b>can receive</b> the <b><i>Redirecting number</i></b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
	User <b>B</b> is notified of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFNRy active	
values: Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.	
	The Redirection number IE with the numbering identification field and the type of	
	number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message.	
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User <b>B</b> is notified with a FACILITY (Invoke=NotifySS[CFNRy, SS-Notification ]) message of call diversion.	
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGIxxSICFNRy_CLI	ISDN ref. to: PLMN ref. to:		
_COL03	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call		
criteria:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> ) and <b>CLIR</b> (see note)		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number.		
	User <b>C can receive</b> the <i>Redirecting number</i> IE giving the reason for call diversion with		
	the presentation indicator set to "presentation restricted".		
	User <b>B</b> is not notified of call diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFNRy active		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services		
	are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

IGGxxSICFNRy_CL	ISDN ref. to: PLMN ref. to:	
I_COL01	EN 300 403-1 [1], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with COLP, user C is	
criteria:	provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes) (see note)	
Test purpose: ISDN parameter values:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. BC=I_BC_ID	
PLMN parameter	CFNRy active	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGGxxSICFNRy_CL	ISDN ref. to:	PLMN ref. to:
I_COL02	EN 300 207-1 [17], clauses 9.2.2	
	and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_service	es/Speech/CFNRy_CLI_COL
ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	CLIP.
PLMN selection	The user B is in network N2 provide	ed with CFNRy ("calling user is notified of call
criteria:	diversion"=Yes, "notification to forv	varding subscriber"=Yes)
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.
	User A is notified of call diversion.	The presentation of the diverted-to number is <b>not</b>
	allowed accordance with the COLR	supplementary service of the diverted-to user.
	User <b>B</b> is notified of call diversion.	
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate	
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user, the Calling	
	party number information element is delivered to the called user without any digit	
	information.	
	Ensure that in the call delivered sta	te (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	ncement are applied.
	Ensure that in the active call state	(N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFNRy active	
values:	_	
Comments:		

r		
IGGxxSICFNRy_CL	ISDN ref. to: PLMN ref. to:	
I_COL03	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> ) and <b>CLIR</b> .	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User B is not notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFNRy active	
values:		
Comments:		

IGUxxSICFNRy_CLI	ISDN ref. to: PLMN ref. to:	
_COL01	EN 300 403-1 [1], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRy_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call	
criteria:	diversion"=Yes, "notification to forwarding subscriber"=Yes). and CLIP (see note).	
Test purpose: ISDN parameter values:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. BC=I_BC_ID	
PLMN parameter		
values:	CFNRy active	
	NOTE: Store 4. 2 and 2 descriptions of the call forwarding Symplementary, convises	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

COL02       EN 300 207-1 [17], clauses 9.2.2 and 9.2.5       EN 300 952 [63], clause 1 TS 100 543 [55], clause 1         rSSreference:       ISDN-GSM/Supplementary_services/Speech/CFNRy_CLL_COL         SDN selection rriteria:       The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.         PLMN selection rriteria:       The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion.         User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       BC=I_BC_ID			
and 9.2.5       TS 100 543 [55], clause 1 <b>TSSreference:</b> ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL         SDN selection       The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP. <b>PLMN selection</b> The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes) <b>Test purpose:</b> Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion.         User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.         Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.         Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       CFNRy active	IGUxxSICFNRy_CLI		
TSSreference:       ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL         SDN selection       The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.         PLMN selection       The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion.         User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.       Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly.       EC=I_BC_ID         SDN parameter values:       BC=I_BC_ID         PLMN parameter values:       CFNRy active	_COL02	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1
SDN selection       The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.         PLMN selection       The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.         Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.         Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       BC=I_BC_ID         PLMN parameter ralues:       CFNRy active		and 9.2.5	TS 100 543 [55], clause 1
criteria:       user C is provided with COLR and CLIP.         PLMN selection       The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C.         User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user.         User B is notified of call diversion.       User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.         Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.         Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       CFNRy active	TSSreference:	ISDN-GSM/Supplementary_service	es/Speech/CFNRy_CLI_COL
PLMN selection       The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion.         User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.         Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.         Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       BC=I_BC_ID	ISDN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIR and COLP,
criteria:       diversion"=Yes, "notification to forwarding subscriber"=Yes)         Test purpose:       Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter ralues:       BC=I_BC_ID         CFNRy active       CFNRy active	criteria:	user C is provided with COLR and	CLIP.
User A is notified of call diversion. The presentation of the diverted-to number is not allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion.         User C will receive an indication that the call has been forwarded with the appropriate forwarding condition.         Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.         Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.         Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.         SDN parameter values:         PLMN parameter values:	PLMN selection criteria:		
Values: PLMN parameter CFNRy active values:	Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
PLMN parameter CFNRy active values:	ISDN parameter	BC=I_BC_ID	
values:	values:		
Comments:	PLMN parameter values:	CFNRy active	
	Comments:		

IGUxxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:
COL03	EN 300 207-1 [17], clauses 9.2.2,	
_00200	9.2.4.4 and 9.2.5	TS 100 543 [55], clause 3
TSSreference:		
	ISDN-GSM/Supplementary_service	
ISDN selection		etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call
criteria:	diversion"=No "notification to forwarding subscriber"=No) and CLIR.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User A is not notified of call diversi	on and not informed of the diverted-to number.
	User <b>B</b> is not notified of call diversion.	
	User C will receive an indication that	at the call has been forwarded with the appropriate
	forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling	
	party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	BC=I BC ID	
values:		
PLMN parameter	CFNRy active	
values:		
Comments:		

IGI xxSICFNRc01	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>Yes</b> ) and CLIP (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.		
	User <b>A</b> is notified of call diversion. The presentation of the diverted-to number is allowed		
	accordance with the COLR supplementary service of the diverted to user.		
	User <b>C</b> can receive the <i>Redirecting number</i> IE giving the reason for call diversion with		
	the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	User A is notified of call diversion with a Notification indicator IE contained a NOTIFY or		
	CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT,		
	INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or		
	NOTIFY (state N04) message.		
	The presentation of the diverted-to number is allowed accordance with the COLR		
	supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the		
	presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY,		
	INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or		
	PROGRESS(state N04) message.		
	User <b>C</b> can receive a SETUP message containing one <i>Redirecting number</i> IE giving		
	the reason for call diversion with the presentation indicator set to "presentation allowed".		
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services		
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user. The setting of the		
	redirecting number to the forwarded-to subscriber in the ISUP signalling of		
	GSM operators has to be considered as an implementation option.		

IGI xxSICFNRc02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1		
	and 9.2.5 TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and CLIP.		
PLMN selection	The user B is in network N2 provided with CFNRc ("calling user is notified of call		
criteria:	diversion"= <b>Yes</b> ) and CLIP (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to		
	user C.		
	User <b>A</b> is notified of call diversion. The presentation of the diverted-to number is <b>not</b>		
	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with		
	the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter			
values: PLMN parameter	C: ? BC=I_BC_ID		
values:	CFNRc active, the user is detached		
Comments:	User <b>A</b> is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. The <b>Redirection number IE</b> with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed" NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

IGIxxSICFNRc03	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"=No) and CLIR (see note)		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to		
	user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with		
	the presentation indicator set to "presentation restricted".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	A: ! BC=I_BC_ID		
values:	C: ? BC=I_BC_ID		
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number. The <b>Redirection number IE</b> shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04)		
	message.		
	User C can receive a SETUP message containing one <i>Redirecting number</i> IE giving		
	the reason for call diversion with the presentation indicator set to "presentation		
	restricted".		
	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the <b>redirecting number</b> to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.		

IGGxxSICFNRc01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion"= <b>Yes</b> ) (see note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User A is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGGxxSICFNRc02	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2 EN 300 952 [63], clause 1		
	and 9.2.5 TS 100 543 [55], clause 1		
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and CLIP.		
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion"= <b>Yes</b> ) and CLIP (see note)		
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to		
	user C.		
	User A is notified of call diversion. The presentation of the diverted-to number is <b>not</b>		
	allowed accordance with the COLR supplementary service of the diverted-to user.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call		
	is a forwarded call is released to the diverted-to user.		

IGG xxSICFNRc03	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,		
	9.2.4.4 and 9.2.5	TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_service		
ISDN selection		etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection		provided with CFNRc ("calling user is notified of call	
criteria:	diversion"= <b>No</b> ) and <b>CLIR</b> .		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to		
	user C.		
	User <b>A</b> is not notified of call diversion and not informed of the diverted-to number.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:			

IGUxxSICFNRc01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3	
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3	
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL	
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion"= <b>Yes</b> ).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User <b>A</b> is notified of call diversion. The presentation of the diverted-to number is allowed	
	accordance with the COLR supplementary service of the diverted-to user. User <b>C</b> will receive an indication that the call has been forwarded with the appropriate forwarding condition.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:		

IGU_xxSICFNRc02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2	EN 300 952 [63], clause 1
	and 9.2.5	TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_service	es/CFNRc_CLI_COL
ISDN selection		etwork N1. User A is provided with CLIR and COLP,
criteria:	user C is provided with COLR and	
PLMN selection	The user B is in network N2 provid	ed with CFNRc ("calling user is notified of call
criteria:	diversion"= <b>Yes</b> ).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to	
	user C. User A is notified of call diversion. The presentation of the diverted-to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User C will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	CFNRc active, the user is detached	
values:		
Comments:		

IGUxxSICFNRc03	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], clause 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRc_CLI_COL		
ISDN selection	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
criteria:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
criteria:	diversion"=No) and CLIR.		
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to		
	user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User <b>C</b> will receive an indication that the call has been forwarded with the appropriate		
	forwarding condition.		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRc active, the user is detached		
values:			
Comments:			

IGIxxSICUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_servic	es/Speech/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A, ISDN user C and PLMN user B belong to the same CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is successful.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=I_BC_ID	
values:		
Comments:	On PLMN side CUGSSaccording	to the Stage 1 description.

IGIxxSICUG02	ISDN ref. to:	PLMN ref. to:	
	EN 300 138-1 [11]	TS 100 518 [50]	
TSSreference:	ISDN-GSM/Supplementa	ary_services/CUG_CFU	
ISDN selection	CUG		
criteria:			
PLMN selection	CUG, CFU		
criteria:			
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter			
values:			
Comments:	On PLMN side CUGSSa	On PLMN side CUGSSaccording to the stage 1 description.	

IGI xxSICUG03	ISDN ref. to:	PLMN ref. to:	
	EN 300 138-1 [11]	TS 100 518 [50]	
TSSreference:	ISDN-GSM/Supplementar		
ISDN selection	CUG		
criteria:			
PLMN selection	CUG, CFU		
criteria:			
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally B has the CUG parameter OA="allowed" and an active call forwarding to ISDN user C. C is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	On PLMN side CUGSSaccording to the stage 1 description.		

IGIxxSICUG04	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_service	es/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally A has the CUG parameter OA="allowed". User B has an active call forwarding to ISDN user C, which is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	On PLMN side CUGSSaccording to	the stage 1 description.

IGxxSICUG05	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_servic	es/Speech/CUG_CFU
ISDN selection	CUG	
criteria:		
PLMN selection	CUG, CFU	
criteria:		
Test purpose:	ISDN user A, PLMN user B and ISDN user C belong to the same CUG. Additionally A has the CUG parameter OA="allowed". User B has an active call forwarding to ISDN user C. Ensure that a call establishment is successful but the OA indicator is not provided to C.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=I_BC_ID	
values:		
Comments:	On PLMN side CUGSSaccording to the stage 1 description.	

IGIxxSICFB01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementa	ry_services/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=I_BC_ID	
values:		
Comments:		

IGIxxSICFB02	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1] TS 100 515 [48]	
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CW	
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGIxxSICFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_service	es/Speech/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	B has also call diversion notificatio ISDN user A has an active connec call with ISDN user D and in the sa user E. Ensure that user B will be i	and an active CFB to ISDN user C. Additionally user n=Yes. tion to user B. PLMN user B is involved in an active ame time he has a Waiting incoming call from ISDN nformed about the waiting call (CW), and (NDUB) the user B and the ISDN calling user A shall receive a call
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI xxSICFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	
		TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_service	es/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=No. ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGIxxSICFB05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_servic	es/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. ISDN calling user A shall receive a call diversion notification while PLMN user B shall not receive a call diversion notification.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

IGIxxSICFB06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementa	ary_services/CFB_CW
ISDN selection		
criteria:		
PLMN selection	CW, CFB	
criteria:		
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IG XXSICLIP SUB	ISDN ref. to:	PLMN ref. to:
01	EN 300 092-1 [7], clause 9.3	EN 300 940 [59]
	EN 300 403-1 [1], clauses 4.5.10	EN 300 951 [62]
	and 4.5.11	
TSSreference:	ISDN-GSM/Supplementary_services	s/CLIP_SUB
ISDN selection	CLIP	
criteria:		
GSM selection	The called user is provided with CLI	P
criteria:		
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is	
		baddress, the Calling party number and Calling party e correctly delivered to the called (served) user.
ISDN parameter	BC=I BC ID	
values:	Calling party number: PI=PA SI=UPVP, TON=TON_ID	
	Calling party subaddress	
GSM parameter	GSM-BC=G_ITC,	
values:	Calling party number: PI=PA, SI=UPVP, TON=national / international number	
	NPI=ISDN/Telephony numbering pla	an (ITU-T Recommendations E.164 [37]/E.163 [106])
	Calling party subaddress	
Comments:		

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IGxxSICLIR_SUB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 093-1 [8], clause 9.4.1	EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10	
	EN 300 092-1/A2 [92], figure 2	EN 300 951 [62], clause 1	
		TS 100 542 [91], clause 1	
TSSreference:	ISDN-GSM/Supplementary_servi	ces/CLIR_SUB	
ISDN selection	CLIR		
criteria:			
PLMN selection	The called user is provided with CLIP		
criteria:			
Test purpose:	The calling user is provided with CLIR permanent mode subscription.		
	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.		
ISDN parameter	BC=I_BC_ID		
values:	Calling party number: PI=PA, TON=unknown, NPI=unknown		
PLMN parameter	GSM-BC=G_BC_ID		
values:	Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP		
Comments:			

IGxxSICLIR_SUB02	ISDN ref. to:	PLMN ref. to:
	EN 300 093-1 [8], clause 9.4.1	EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10
	EN 300 092-1/A2 [92], figure 2	EN 300 951 [62], clause 1
		TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIR_SUB	
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user to the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID, Calling party number: PI=PR, TON=unknown, NPI=unknown,	
values:	SI=NP	
Comments:		

	ISDN ref. to:	PLMN ref. to:
IGXXSSCOLP_SUB01		
	EN 300 097-1 [9],	EN 300 940 [59], clause 10.5.4.14
	clause 9.5.1	EN 300 951 [62], clause 3
		TS 100 542 [91], clause 3
TSSreference:	ISDN-GSM/Supplementary_services/COLP_SUB	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when the Connected subaddress is provided by the called user, the	
	Connected number and Connected subaddress information elements are correctly	
	delivered to the calling (served) user.	
ISDN parameter values:	BC=I_BC_ID	
	Connected number: SI=NP, PI=PA, TON=national/international number,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations	
	E.164 [37]/E.163 [106])	
	Connected subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID	
	Connected subaddress	
Comments:		

## NON-SYMMETRICAL TESTS

IGxxSNTP01	ISDN ref. to:	PLMN ref. to:	
	EN 300 055-1 [13], clause 9.2.1	EN 300 646-1 [96], clause 6.1.1.3	
	EN 300 403-1 [1], clause 5.6	EN 300 940 [59], clause 10.5.4.20	
TSSreference:	ISDN-GSM/Supplementary_service	ISDN-GSM/Supplementary_services/TP	
ISDN selection	TP		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling user (no call identity is used)		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The calling user must be a basic access.		

IGxxSNTP02	ISDN ref. to: EN 300 055-1 [13], clause 9.2.2	PLMN ref. to: EN 300 646-1 [96], clause 6.1.1.3
	EN 300 403-1 [1], clause 5.6.5	
TSSreference:	ISDN-GSM/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire 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 expire".	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The calling user must be a basic a	ccess.

IGI xxSNCONF01	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2, annex A,	EN 300 646-1 [96], clause 6.1.1.8
	figure A.1	
TSSreference:	ISDN-GSM/Supplementary_services/CONF	F
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish conference	ce call from the Null call state.
ISDN parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	<ul> <li>The user A is in network N1 and is provided with CONF. User B is in network N2. User A sends a SETUP message including a Facility IE which shall contain a BeginCONF invoke component to the network. The network shall respond with a CALL PROCEEDING and a CONNECT message which shall include a BeginCONF return result component in a Facility IE [in the (Active, Idle) state].</li> <li>After the reception off the CONNECT message, user A is initiating the call hold procedure, the call is an Active-Held connection.</li> <li>User A sends a SETUP message to user B. After the call establishment, 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.</li> <li>The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an AddCONF return result component.</li> <li>User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.</li> <li>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").</li> <li>NOTE The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.</li> </ul>	

IGIXXSNCONF02		.MN ref. to:	
	EN 300 185-1 [16], clause 9.2.2, EN	N 300 646-1 [96], clause 6.1.1.8	
	annex A, figure A.2		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a conference from the Active call state.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
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		
	witch 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").		
	NOTE: The standard EN 300 646-1	[96], clause 6.1.1.8 is not in line with the	
	ITU-T Recommendation Q.	734.1. The PLMN does not support the sending of	
	notifications to the remote u		

IGIXXSNCONF03	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2	, EN 300 646-1 [96], clause 6.1.1.8
	annex A, figure A.3	
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an existing call to the conference.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The user A is in network N1 and is provided with CONF. User B and C are 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 <b>BeginCONF</b> 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	
	witch 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 call hold, the call (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 <b>AddCONF</b> invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> 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").	
	NOTE: The standard EN 300	) 646-1 [96], clause 6.1.1.8 is not in line with the
		ion Q.734.1. The PLMN does not support the sending of
	notifications to the re	

IGIXXSNCONF04	ISDN ref. to: PLMN ref. to:	
	EN 300 185-1 [16], clause 9.2.2, EN 300 646-1 [96], clause 6.1.1.8	
TSSreference:	annex A, figure A.6	
ISDN selection	ISDN-GSM/Supplementary_services/CONF CONF	
criteria:	CONF	
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The user A is in network N1 and is provided with CONF. User B and C are 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 <b>BeginCONF</b> 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	
	witch 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").	
	User C is calling user A. User A receives a SETUP (with CRy) message. User A	
	answers with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state.	
	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 <b>AddCONF</b> invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> 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").	
	NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the	
	ITU-T Recommendation Q.734.1. The PLMN does not support the sending of	
	notifications to the remote users.	

IGI xxSNCONF05	ISDN ref. to: PLMN ref. to:		
	EN 300 185-1 [16], clause 9.2.2, EN 300 646-1 [94], clause 6.1.1.8		
	annex A, figure A.7-A.8		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:	The user A is in network N1 and is provided with CONF. User B and C are 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		
	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 witch 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 call hold, the call (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. 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 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 IsolateCONF invoke		
	<ul> <li>component to request the isolation of the remote user B. The network shall send a FACILITY message with a Facility IE including a IsolateCONF return result compone 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").</li> <li>User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is reattached to the conference ("reattached"). User A sends a FACILITY message with a Facility IE including a ReattachCONF invoke component to request is reattachment of the remote user B. The network shall send a FACILITY message with Facility IE including a ReattachCONF return result component.</li> <li>NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the sending of notifications to the remote users.</li> </ul>		

IGI xxSNCONF06	ISDN ref. to: PLMN ref. to:		
	EN 300 185-1 [16], clause 9.2.2, EN 300 646-1 [96], clause 6.1.1.8		
	annex A, figure A.9		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection criteria:			
Test purpose:	Ensure that user A can establish a conference call with user B and user C and verify that		
ISDN parameter	one party can be spitted. BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The user A is in network N1 and is provided with CONF. User B and C are 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 <b>BeginCONF</b> 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 witch 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 call 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 <b>AddCONF</b> invoke component.		
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> 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 SETUP message including a Facility IE which shall contain SplitCONF invoke component to request the splitting of the remote user B. The network shall send a CALL PROCEEDING, ALERTING without Channelid IE and a CONNECT message with a SplitCONF return component. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been split from the conference ("other party split").		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is disconnected from the conference ("conference disconnected").		
	NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the sending of notifications to the remote users.		

IGIxxSNCONF07       ISDN ref. to: EN 300 185-1 [16], clause 9.2.2, annex A, figure A.10-A.12       PLMN ref. to: EN 300 646-1 [94], clause 6.1.1.8         TSSreference:       ISDN-GSM/Supplementary_services/CONF       EN 300 646-1 [94], clause 6.1.1.8         ISDN selection criteria:       CONF         PLMN selection criteria:       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			
annex A, figure A.10-A.12         TSSreference:       ISDN-GSM/Supplementary_services/CONF         ISDN selection criteria:       CONF         PLMN selection criteria:       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			
TSSreference:       ISDN-GSM/Supplementary_services/CONF         ISDN selection       CONF         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			
ISDN selection criteria:       CONF         PLMN selection criteria:       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			
criteria:       PLMN selection         criteria:       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			
PLMN selection criteria:       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			
criteria:           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			
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			
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			
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			
FACILITY message) from the conference and that user A can terminate the conference			
	e :		
using the basic call clear procedure.			
ISDN parameter BC=I_BC_ID			
values:			
PLMN parameter GSM-BC=G_BC_ID			
values:			
Comments: The user A is in network N1 and is provided with CONF. User B and C are in network			
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	h a		
which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CBV)	ne		
call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE			
witch 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	r		
the user B has been added to the conference ("Conference established"). After initiatin			
of call hold, the call (CRx) is in an Active-Held connection.	.9		
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 ca			
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	í		
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	ł		
the user B has been disconnected from the conference ("other party disconnected").U			
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 procedure	es.		
NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the			
ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the			
sending of notifications to the remote users.			

IGI xxSNCONF08	ISDN ref. to: PLMN ref. to:		
	EN 300 185-1 [16], clause 9.2.2, EN 300 646-1 [94], clause 6.1.1.8		
	annex A, figure A.11-A.12		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote		
	user B can disconnect the conference and that user A can terminate the conference		
ICDN noromotor	using the basic call clear procedure.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The user A is in network N1 and is provided with CONF. User B is in network N2.		
oonnonto.	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 <b>BeginCONF</b> 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 witch 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 call 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 <b>AddCONF</b> 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 B send a DISCONNECT message, the network shall send to user A a FA message with a Facility IE including a PartyDISC invoke component with a party			
			indicating the Partyld associated with the disconnected remote user.
			User C shall receive a NOTIFY message with a Notification indicator IE indicating that
	the user B disconnected from the conference ("other remote user 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.		
	NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the		
	NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the		
	sending of notifications to the remote users.		

IGG xxSNCONF01	ISDN ref. to:	PLMN ref. to:	
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8	
	annex A, figure A.1		
TSSreference:	ISDN-GSM/Supplementary_servic	es/CONF	
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish conference call from the Null call state.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGGxxSNCONF02	ISDN ref. to: PL	_MN ref. to:	
	EN 300 185-1 [16], clause 9.2.2, EN	N 300 646-1 [96], clause 6.1.1.8	
	annex A, figure A.2		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a conference from the Active call state.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
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 <b>BeginCONF</b> 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 witch 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").		
		1 [96], clause 6.1.1.8 is not in line with the	
	ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the		
	sending of notifications to the remote users.		

IGGxxSNCONF03	ISDN ref. to:	PLMN ref. to:	
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8	
	annex A, figure A.3		
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can add an existing call to the conference.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGGxxSNCONF04	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8
	annex A, figure A.6	
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGGxxSNCONF05	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8
	annex A, figure A.7-A.8	
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGGxxSNCONF06	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8
	annex A, figure A.9	
TSSreference:	ISDN-GSM/Supplementary_service	es/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and verify that one party can be splited.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGG xxSNCONF07	ISDN ref. to:	PLMN ref. to:	
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8	
		LN 500 040-1 [90], clause 0.1.1.0	
	annex A, figure A.10-A.12		
TSSreference:	ISDN-GSM/Supplementary_servic	es/CONF	
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGGxxSNCONF08	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1 [16], clause 9.2.2,	EN 300 646-1 [96], clause 6.1.1.8
	annex A, figure A.11-A.12	
TSSreference:	ISDN-GSM/Supplementary_service	es/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:		conference call with user B and user C. The remote the conference and that user A can terminate the conference e.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI xxSN3PTY01	ISDN ref. to: PLMN ref. to:		
	EN 300 188-1 [20], clause 9.2 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter			
values:			
Comments:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the etwork N2. Jser A calls user B (with CRx). After initiating of call hold, the call A-B has an Active- field connection. Jser 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 hall receive a NOTIFY message containing a Notification Indicator IE with a notification lescription 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 nessage. After the release of the three-way bridge the network is sending to the remote Iser B the notification "Remote hold". When user A sends a RETRIEVE message for CRx the network shall send a NOTIFY nessage to user B containing a Notification indicator IE with a notification description of Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE nessage. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. IOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.		

IGIxxSN3PTY02	ISDN ref. to: PLMN ref. to:		
	EN 300 188-1 [20], clause 9.2 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The user A is in network N1 and is provided with 3PTY.The user B and user C are in the network N2. 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 <b>A</b> 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 <b>C</b> 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. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.		

IGI xxSN3PTY03	ISDN ref. to: PLMN ref. to:		
	EN 300 188-1 [20], clause 9.2 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C		
	and release of both remote users, user B is released first.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values: Comments:			
oomments.	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2. 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 <b>A</b> 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 <b>C</b> a NOTIFY message containing a Notification indicator IE with a notification of "Conference disconnected". On receipt of a DISCONNECT message from the user <b>A</b> relating to the Active-Idl connection (CRy) the network shall clear the call to user C an NOTIFY message. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.		

IGI xxSN3PTY04	ISDN ref.	to:	PLMN ref. to:
IGIXX3N3F1104			
	EN 300 1	88-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GS	M/Supplementary_servic	es/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C		
	and release of both remote users, user C is released first.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:	NOTE:	The standard EN 300 6	46-1 [96] clause 6.1.1.15 is not in line with the
			n Q.734.2 [100]. The PLMN does not support the
		sending of notifications	

IGIxxSN3PTY05	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	s/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	NOTE: The standard EN 300 64	6-1 [96], clause 6.1.1.15 is not in line with the
	ITU-T Recommendation	Q.734.2 [100]. The PLMN does not support the
	sending of notifications to	o the remote users.

IGIXXSN3PTY06	ISDN ref. to:		PLMN ref. to:
	EN 300 188-1	[20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/S	upplementary_service	es/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	ITU		46-1 [96] clause 6.1.1.15 is not in line with the Q.734.2 [100]. The PLMN does not support the to the remote users.

IGI xxSN3PTY07	ISDN ref.	to:	PLMN ref. to:
	EN 300 1	88-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GS	M/Supplementary_servi	ces/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	NOTE:		646-1 [96] clause 6.1.1.15 is not in line with the n Q.734.2 [100]. The PLMN does not support the to the remote users.

IGIXXSN3PTY08	ISDN ref. to: PLMN ref. to:		
	EN 300 188-1 [20], clause 9.2 EN 300 646-1 [96], clause 6.1.1.14		
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
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 an 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) 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 Retrieve function iii) use the CR relating to the Active-Held connection, perform the Retrieve function if he Hold function (i.e. the HOLD ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user that is not to be included in the private communication, containing a Notification indicator information element with a notificatio		
	connection of the private communication changes from Call Held to Idle. The auxiliary state of the other connection changes from Idle to Call Held.		

IGIxxSN3PTY09	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14	
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:		three-way conversation call with user B and user C n with user C. The call clearing procedure is	
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	Held connection. User A is calling user C (with the C When user A sends a FACILITY m Begin3PTY invoke component the containing a facility IE with a Begin receive a NOTIFY message contai description of "Conference establis If the remote user, for which a priva served user by the CRy relating to an End3PTY invoke component to On receiving such an invoke comp i) remove the three-way bridge Held connection; ii) release the three-way bridge iii) return to the served user an message, using the CRy of the Act iv) send a NOTIFY message to information element with a notificat v) send to the remote user for v the same NOTIFY message as (iv) indicator information element with a intervening protocol between the n remote user does not support trans message, then this should be map notification description of "Confere containing a notification descriptior When the served user receives a c within a FACILITY message, the us further action. As a result of the pro- the auxiliary state of the connection unchanged. The call clearing procedure is perferent NOTE: The standard EN 300 64	End3PTY return result component, within a FACILITY tive-Idle connection; both remote users containing a Notification indicator tion description of "Conference disconnected"; and, which private communication is not required, either in 0, or in a subsequent NOTIFY message, a Notification a notification description of "Remote hold". If any etwork of the served user and the network of the smission of two notification descriptions in the same ped at that point to a message containing a single nce disconnected", and a subsequent message n of "Remote hold". correctly encoded End3PTY return result component, ser shall accept the provided information and take no ocedures of this item of this clause, the call state and ns, at both the network and the served user, are ormed from user A with a DISCONNECT message. 46-1 [96] clause 6.1.1.15 is not in line with the n Q.734.2 [100] The PLMN does not support the	

IGGxxSN3PTY01	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IGGxxSN3PTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGG xxSN3PTY03	ISDN ref. to:	PLMN ref. to:
166XSN3F1103		
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C	
	and release of both remote users,	user B is released first.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGG xxSN3PTY04	ISDN ref.	to:	PLMN ref. to:
	EN 300 1	88-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GS	M/Supplementary_servic	es/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user C is released first.		
1000			
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	NOTE:		46-1 [96] clause 6.1.1.15 is not in line with the Q.734.2 [100]. The PLMN does not support the to the remote users.

IGGxxSN3PTY05	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	NOTE: The standard EN 300 6	46-1 [96], clause 6.1.1.15 is not in line with the
		n Q.734.2 [100]. The PLMN does not support the
	sending of notifications	to the remote users.

IGG xxSN3PTY06	ISDN ref. to:		PLMN ref. to:
	EN 300 188-1 [20],	clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supple		es/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			16-1 [96] clause 6.1.1.15 is not in line with the
			Q.734.2 [100]. The PLMN does not support the
	sending	of notifications t	to the remote users.

IGGxxSN3PTY07	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14	
TSSreference:	ISDN-GSM/Supplementary_servic	es/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:		46-1 [96] clause 6.1.1.15 is not in line with the 0 Q.734.2 [100]. The PLMN does not support the to the remote users.	

IGGxxSN3PTY08	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14	
TSSreference:	ISDN-GSM/Supplementary_servic	es/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

IGGxxSN3PTY09	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_service	es/3PTY
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
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 C. The call clearing procedure is performed from user A.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSNCBS01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 548 [58]
TSSreference:	ISDN-GSM/Supplementar	y_services/Call barring service
ISDN selection		
criteria:		
PLMN selection	The Network B supports b	parring of all incoming calls (BAIC).
criteria:		
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call	
	establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause valu	e with witch the call shall be rejected is not defined.

IGxxSNCBS02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 548 [58]
TSSreference:	ISDN-GSM/Supplementary_service	es/Call barring service
ISDN selection		
criteria:		
PLMN selection	The Network B supports barring of	all incoming calls (BAIC) and barring of incoming
criteria:	calls when roaming outside the hor	ne PLMN country (BIC-Roam). The MS is roaming
	outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause value with wi	tch the call shall be rejected is not defined.

IG xxSNCCNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 065-1 [101]	EN 300 065-1 [101]
TSSreference:	ISDN-GSM/Supplementary_service	es/CCNR
ISDN selection	The user A is in network N1 and ha	as subscribed to the CCNR supplementary service
criteria:		
PLMN selection	The user B is in the network N2 an	d does not support CCNR.
criteria:		
Test purpose:	User A calls user B which does not answer the call. User A's CCNR request is identified by the callLinkageID parameter. The network cannot accept user A's request identified by the callLinkageID parameter because CCNR is not available to the destination. The network A shall send a CCNR Request return error component indicating "longTermDenial" to user A.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IG xxSNAoC-01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	ETS 300 519 [107]
TSSreference:	ISDN-GSM/Supplementary_service	es/AoC
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which supports phase 2 supplementary services. ISDN user A calls user B. Ensure that the call establishment will be successful.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSNAoC-02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	ETS 300 519 [107]
TSSreference:	ISDN-GSM/Supplementary_service	es/AoC
ISDN selection		
criteria:		
PLMN selection	AoC	
criteria:		
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which does not support phase 2 supplementary services. ISDN user A calls user B. Ensure that the network will initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified"	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IG xxSNMPTY01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_service	es/MPTY
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network I	N2.
criteria:		
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSNMPTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_service	es/MPTY
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network	N2.
criteria:		
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user A is performed from user B.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSNMPTY03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_service	es/MPTY
ISDN selection	User A is in network N1	
criteria:		
PLMN selection	User B and user C are in network N	N2.
criteria:		
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSNMPTY04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_service	es/MPTY
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

## 7.2 Test purposes for PSTN to GSM

### 7.2.1 Test purposes for PSTN to GSM, Basic call

### 7.2.1.1 Successful

Successful	
PSTN	

PG01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59]
		ETS 300 604 [103], clauses 9.2.2 a and 10.2.2
TSSreference:	PSTN-GSM/Basic_call/Successful	
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that call is delivered to the called PLMN user correctly.	
	Ensure that in the call delivered state the transfer of tone is performed correctly if	
	tones/announcement are applied.	
	Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co	ontain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR	

PGAU02	<b>PSTN ref. to:</b> EN 300 001 [102]	PLMN ref. to: EN 300 940 [59], clause 5.2.2
TSSreference:	PSTN-GSM/Basic_call/Successful	ETS 300 604 [103], clause 9.2.2 b
PSTN selection criteria:	Call establishment to a PLMN use	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly (single-numbering scheme). Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PGAU03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59], clause 5.2.2	
		ETS 300 604 [103], clauses 9.2.2 a and 10.2.2	
TSSreference:	PSTN-GSM/Basic_call/Su	ccessful	
PSTN selection	Call establishment to a PL	MN user	
criteria:			
PLMN selection	Multi-numbering Scheme,	TS 11	
criteria:			
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering.		
	Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active c	Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:			
PLMN parameter values:	GSM-BC=speech		
Comments:	The call set-up to the mob stored in the VLR.	ile will contain a GSM BC mapped from the BC/LLC/HLC	

PG04	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59]	
		ETS 300 604 [103], clauses 9.2.2 a and 10.2.2	
TSSreference:	PSTN-GSM/Basic_call/Success	sful	
PSTN selection	Call establishment to a PLMN u	iser	
criteria:			
PLMN selection	Multi-numbering Scheme, TS 1	1	
criteria:	_		
Test purpose:	Ensure that the clearing procedure is performed correctly when the <b>called PLMN</b> user clears the call after answering. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement.		
PSTN parameter values:			
	COM PC speech		
PLMN parameter	Gow-DC=speech	GSM-BC=speech	
values:			
Comments:	The call set-up to the mobile wi stored in the VLR.	II contain a GSM BC mapped from the BC/LLC/HLC	

PGAU05	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clauses 5.2.1, 5.5.1 and 7.3.2
TSSreference:	PSTN-GSM/Basic_call/Successful	I/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that a Facsimile G3 call is performed correctly when the <b>called PLMN</b> user clears the call after answering. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values:		
Comments:		

PGAU06	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59], clauses 5.2.1, 5.5.1 and 7.3.2	
TSSreference:	PSTN-GSM/Basic_call/S	uccessful/Facsimile G3	
PSTN selection criteria:			
PLMN selection criteria:	PSTN, Single-numbering	Scheme	
Test purpose:	Ensure that a Facsimile G3 call is performed correctly (single-numbering scheme) when the <b>calling</b> user clears the call after answering. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PSTN parameter values:			
PLMN parameter values:			
Comments:			

PG HA 01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clause 5.2.2
		TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.2
TSSreference:	PSTN-GSM/Basic_call/Successful/	3,1 kHz audio
PSTN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi-numbering Scheme	
criteria:		
Test purpose:	Ensure that the PSTN data call is correctly delivered to the GSM.	
	In the active call state (N10) ensure that the data transfer with the channel rate set to:	
	CHANNEL RATE on the traffic channels is performed correctly.	
PSTN parameter	CHANNEL_RATE	
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/asynchronous mode: MODE fix network user rate: G_USER_RATE.	
Comments:		

Values for test purposes PGHA01	
VA_01	MODE: synchronous
	CHANNEL_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
VA_02	MODE: synchronous
	CHANNEL_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
VA_03	MODE: synchronous
	CHANNEL_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
VA_04	MODE: synchronous
	CHANNEL_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
VA_05	MODE: synchronous
	CHANNEL_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
VA_06	MODE: synchronous
	CHANNEL_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
VA_07	MODE: asynchronous
	CHANNEL_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
VA_08	MODE: asynchronous
	CHANNEL_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous
	CHANNEL_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous
	CHANNEL_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
VA_11	MODE: asynchronous
	CHANNEL_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s

### 7.2.1.2 Unsuccessful

# PSTN UNSUCCESSFUL

PG AU U01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59], clause H.1.7	
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful	
PSTN selection criteria:	Call establishment to a PLMN use	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11		
Test purpose:	Ensure that when the called PLMN user is busy (UDUB), the calling user receives a busy tone.		
PSTN parameter values:			
PLMN parameter values:	GSM-BC=speech		
Comments:	stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC ge, the MS replies immediately with a RELEASE	

PG AU U02	PSTN ref. to:	PLMN ref. to:
10002	EN 300 001 [102]	EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ul
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the called PLMN	user is busy (NDUB), the calling user receives a busy
	tone.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGAU_U03	PSTN ref. to: EN 300 001 [102]	PLMN ref. to: TS 100 974 [72], clauses 18.2 and 18.3.2	
		EN 300 940 [59], clause H.1.7	
TSSreference:	PSTN-GSM/Basic_call/Un	successful	
PSTN selection criteria:	Call establishment to a PL	Call establishment to a PLMN user	
PLMN selection criteria:			
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent". The calling user receives a announcement that the called number cannot be reached.		
PSTN parameter values:			
PLMN parameter values:			
Comments:			

PG AU U04	PSTN ref. to:	PLMN ref. to: ref. to:
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful
PSTN selection	Call establishment to a PLMN use	r
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when calling to unallocated PLMN number, the calling user receives in-band information that the called number is unallocated.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGAU_U05	PSTN ref. to:	PLMN ref. to :
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user, the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co	ontain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.	

PG AU U06	PSTN ref. to:	PLMN ref. to :
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	Multi-numbering Scheme, TS 11	
criteria:		
Test purpose:	Ensure that when the called PLMN user is alerted by not answering before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The call set-up to the mobile will co stored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

PG AU U07	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:		user (single-numbering scheme) is busy (UDUB), the
	calling user receives a free tone followed by a busy tone.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will no	
		e, the MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").	

PGAU_U08	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59]	
TSSreference:	PSTN-GSM/Basic_call/U	nsuccessful	
PSTN selection criteria:	Call establishment to a P	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering	Scheme	
Test purpose:	(single-numbering schem	Ensure that when the calling user clears before answer from the called PLMN user (single-numbering scheme), the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter			
values:			
PLMN parameter			
values:			
Comments:	The call set-up to the mobile will not contain a GSM BC element.		

PG AU U09	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccess	ful
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that when the called PLMN user is alerted (single-numbering scheme) but not answers before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	The call set-up to the mobile will no	ot contain a GSM BC element.

PGAU_U10	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Ur	nsuccessful
PSTN selection	Call establishment to a PL	MN user
criteria:		
PLMN selection	Multi-numbering Scheme,	TS 11
criteria:		
Test purpose:	Ensure that when the called PLMN user is busy (UDUB) after being alerted, the calling user receives a free tone followed by a busy tone	
PSTN parameter values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

## 7.2.2 Test purposes for PSTN to GSM, Supplementary\_services

# Supplementary\_services PSTN

PGAUSSCLIP01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 940 [59], clause 10.5.4.9	
		EN 300 951 [62]	
TSSreference:	PSTN-GSM/Supplementary_servic	PSTN-GSM/Supplementary_services/CLIP/	
PSTN selection	Call to a PLMN user		
criteria:			
PLMN selection	The called user is provided with CL	The called user is provided with CLIP	
criteria:			
Test purpose:	Ensure that the Calling party number is correctly delivered to the called (served) user.		
PSTN parameter			
values:			
PLMN parameter	Calling party number: PI=PA, SI=NP, TON=national / international number		
values:	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network		
	operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

PGAUSSCLIR01	<b>PSTN ref. to:</b> ETS 300 649 [110]	PLMN ref. to: EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1
TSSreference:	PSTN-CSM/Supplementary service	TS 100 542 [91], clause 1
PSTN selection criteria:	PSTN-GSM/Supplementary_services/CLIR/ CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that the Calling party number information element is delivered to the called user without any digit information.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

PGAUSSCUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clause 9.2.3	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	PSTN-GSM/Supplementary_service	ces/CUG
PSTN selection	CUG	
criteria:		
PLMN selection	CUG with incoming access "not allowed".	
criteria:	_	
Test purpose:	Ensure that when the called user belongs to a CUG with incoming access "not allowed" and the calling user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not member of CUG".	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGPAUSSCFU01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 952 [63], clause 1
		TS 100 543 [55], clause 1
TSSreference:	PSTN-GSM/Supplementary_service	ces/CFU
PSTN selection	Call to a forwarding subscriber (CF	U)
criteria:		
PLMN selection	CFU	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFU. Ensure that when user A calls user B, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	CFUactive	
values:		
Comments:		

PGP_AUSSCFB01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 952 [63], clause 2
		TS 100 543 [55], clause 2
TSSreference:	PSTN-GSM/Supplementary_servic	es/CFB
PSTN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	CFB-UDUB	
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-UDUB. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter	CFB-UDUB active	
values:		
Comments:		

PGPAUSSCFB02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 952 [63], clause 2	
		TS 100 543 [55], clause 2	
TSSreference:	PSTN-GSM/Supplementary_	services/CFB	
PSTN selection	Call to a forwarding subscribe	er (CFB)	
criteria:			
PLMN selection	CFB-NDUB. Notification to fo	rwarding subscriber=Yes	
criteria:			
Test purpose:	The PSTN user A and the PS	TN user C are in network N1.	
	The PLMN user B is in netwo	rk N2 and is provided with CFB-NDUB whereby the	
	notification to forwarding subs	scriber is set to yes.	
	<ul> <li>Ensure that when user A calls busy user B, the call is forwarded to user C. User B is notified of call diversion.</li> <li>Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied.</li> <li>Ensure that in the active call state the voice/data transfer is performed correctly.</li> </ul>		
PSTN parameter			
values:			
PLMN parameter	CFB-NDUB active	CFB-NDUB active	
values:			
Comments:			

PGAUSSCFB03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	EN 300 952 [63], clause 2	
		TS 100 543 [55], clause 2	
TSSreference:	PSTN-GSM/Supplementary_service	ces/CFB	
PSTN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
PLMN selection	CFB-NDUB. Notification to forward	ling subscriber=No	
criteria:			
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The PLMN user B is in network N2	and is provided with CFB-NDUB whereby the	
	notification to forwarding subscriber is set to no.		
	Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion.		
	Ensure that in the call delivered state the transfer of tone is performed correctly if		
	tones/announcement are applied.		
	Ensure that in the active call state	the voice/data transfer is performed correctly.	
PSTN parameter			
values:			
PLMN parameter	CFB-NDUB active		
values:			
Comments:			

PGP_AUSSCFNRy01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 952 [63], clause 3
		TS 100 543 [55], clause 3
TSSreference:	PSTN-GSM/Supplementary_serv	ces
PSTN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection	CFNRy. Notification to forwarding	subscriber=Yes
criteria:		
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to yes. Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	CFNRy active	
values:		
Comments:		

PGPAUSSCFNRy02	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 952 [63], clause 3
		TS 100 543 [55], clause 3
TSSreference:	PSTN-GSM/Supplementary_serv	ices
PSTN selection	Call to a forwarding subscriber (C	FNRy)
criteria:		
PLMN selection	CFNRy. Notification to forwarding	subscriber=No
criteria:	-	
Test purpose:	The PSTN user A and the PSTN user C are in network N1.	
	The PLMN user B is in network N	2 and is provided with CFNRy whereby the
	notification to forwarding subscrib	er is set to no.
	Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	CFNRy active	
values:		
Comments:		

PGPAUSSCFNRc01 TSSreference:	PSTN ref. to: EN 300 001 [102] PSTN-GSM/Supplementary_serv	PLMN ref. to: EN 300 952 [63], clause 4 TS 100 543 [55], clause 4 ices
PSTN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	CFNRc	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRc. Ensure that when user A calls user B, if detached, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		,
PLMN parameter values:	CFNRc active	
Comments:		

# NON-SYMMETRICAL TESTS

PGAUSNCBS01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 548 [58]
TSSreference:	PSTN-GSM/Supplementary_servic	es/Call barring service/
PSTN selection		
criteria:		
PLMN selection	The Network B supports BAIC.	
criteria:		
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call	
	establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause value with wi	tch the call shall be rejected is not defined.

		DI MAI met des
PGAUSNCBS02	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 548 [58]
TSSreference:	PSTN-GSM/Supplementary_servic	es/Call barring service
PSTN selection		
criteria:		
PLMN selection		all incoming calls (BAIC) and barring of incoming
criteria:	calls when roaming outside the hor	ne PLMN country (BIC-Roam). The MS is roaming
	outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

PGG_AUSNMPTY01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 517 [108]
		TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_service	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGGAUSNMPTY02	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 517 [108]
		TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_se	ervices/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGGAUSNMPTY03	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 517 [108]
		TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_service	es/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2.User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

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PGGAUSNMPTY04	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 517 [108]
		TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_service	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

## 7.3 Test purposes for GSM-ISDN, Basic call

### 7.3.1 Test purposes for GSM-ISDN, Basic call

#### 7.3.1.1 Successful

Successful	
Speech	

GISP01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values:		
Comments:		

GISP02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2.1	
	and 5.2	TS 100 976 [74], clause 10.2.1	
TSSreference:	GSM-ISDN/Basic_call/Successfu	l/Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic - channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=speech, no HLC	BC=speech, no HLC	
values:			
PLMN parameter	GSM-BC=speech, no HLC	GSM-BC=speech, no HLC	
values:			
Comments:			

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GISP03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2	
	EG 201 018 [83], clause 6.3.1	TS 100 97 [74], clause 10.2	
		TS 100 905 [44], clause 6	
		TS 100 913 [67], clause B.2.8	
TSSreference:	GSM-ISDN/Basic_call/Successful/	Speech	
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	BC=speech, HLC=telephony		
values:			
PLMN parameter values:	GSM-BC=speech, HLC=telephony		
Comments:			

GISP04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2
	EG 201 018 [83], clause 6.3.1	TS 100 976 [74], clause 10.2
		TS 100 905 [44], clause 6
		TS 100 913 [67], clause B.2.8
TSSreference:	PLMN- ISDN/Basic_call/Successfu	I/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=speech, HLC=telephony	
values:		
PLMN parameter	GSM-BC=speech, HLC=telephony	
values:		
Comments:		

	ISDN ref. to:	PLMN ref. to:	
GISP05			
	EN 300 403-1 [1], clauses 3.1.10 and 5.2	EN 300 940 [59], clause 7.3.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech		
ISDN selection	Speech		
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	To verify that progress indicator informatio	n included in the ISDN-CONNECT message	
	can be transported correctly to the calling I	MS.	
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the		
	traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	B:? SETUP: BC=speech, HLC=telephony,		
values:	B:! CONNECT: progress indicator #2 "destination address is non-ISDN".		
PLMN parameter	A:! SETUP: GSM-BC=speech, HLC=telephony		
values:	A:? CONNECT: progress indicator #2 "destination address is non-ISDN".		
Comments:	The progress indicator information elemen	t is transported in the Access Transport	
	parameter of the Answer message (ANM).	parameter of the Answer message (ANM). The access transport parameter will be	
	transported transparently. It is the responsibility of the end points to ensure compatibility.		

GISP06	ISDN ref. to: PLN	/N ref. to:
	EN 300 403-1 [1], clauses 3.1 and 5.2 EN 3	300 940 [59], clauses 7.3.2 and 5.2
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech	
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	To verify that progress indicator information in	ncluded in the ISDN - ALERT message can
	be transported correctly to the calling MS.	
	Ensure that in the call delivered state (N4) the	e transfer of tone or announcement on the
	traffic-channel is performed correctly.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	B:? SETUP: BC=speech, HLC=telephony,	
values:	B:! ALERT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter	A:! SETUP: GSM-BC=speech HLC=telephony	
values:	A:? ALERT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport	
	parameter of the Address complete message	(ACM). The access transport parameter
	will be transported transparently. It is the responsibility of the end points to ensure	
	compatibility.	

# Successful 3,1 kHz audio, ex PLMN

GI01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, [1] clauses 5.2 and 4.5.5	EN 300 940 [59], clause 5.2.1	
		TS 100 976 [74], clause 10.2	
		TS 100 913 [67], clause B.1.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call		
	clearing procedure is performed correctly when the calling user clears after answer.		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])		
values:	b) BC=3,1 kHz audio (ETS 300 102-1)		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:			
Comments:	According to ETS 300 102-1 clause 4.5.5	o note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
	shall not be mapped to the octets 5a, 5b,	5c and 5d in the ISDN-BC.	

	ICDN rof to:	DI MNI rof. to:	
GI02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause 5.2	
	and 4.5.5	TS 100 976 [74], clause 10.2	
		TS 100 913 [67], clause B.1.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the		
	clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])		
values:	b) BC=3,1 kHz audio (ETS 300 102-1)		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:			
Comments:	According to ETS 300 102-1 clau	se 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to	the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.2	EN 300 940[59], clause 5.2.1	
	and 4.5.5	TS 100 976 [74], clause 10.2	
		TS 100 913 [67], clause B.1.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE, no		
	LLC, is correctly mapped to the <b>ISDN BC</b> parameter value information transfer capability		
	3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to		
	MODE, user rate set to USER_RATE.		
	In the active call state (N10) ensure that the data transfer on the traffic and B-channels is		
	performed correctly.		
	The call clearing procedure is performed from the calling user.		
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem,		
values:	synchronous/ asynchronous mode: MODE		
	user rate: USER RATE		
	noLLC		
	b) BC=3,1 kHz audio, no LLC (ET	S 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio, no EEG (E10 000 102 1) GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
values:	synchronous/ asynchronous mode: MODE		
values.			
	user rate: G_USER_RATE		
Comments:			
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.		
	IGSIVI-BC shall not be mapped to	the octets 5a, 5b, 5c and 5d in the ISDIN-BC.	

GI AU 04	ISDN ref. To:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause 5.2	
	and 4.5.5	TS 100 976 [74], clause 10.2	
	and 4.0.0	TS 100 913 [67], clause 10.2 TS 100 913 [67], clauses B.1.2 and B.2.2	
TSSreference:	GSM-ISDN/Basic_call/Successfu		
ISDN selection	Bearer service 3,1 kHz audio	1/3,1 KI 12 AUGIO EX FLIVIN	
criteria:	Dealer Service 3, 1 Ki 12 audio		
PLMN selection	Audio		
criteria:	Audio		
Test purpose:		- evalue av DLMNL value hand date vie medam	
	Ensure that the <b>GSM-BC</b> =3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE <b>LLC</b> =3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.		
ISDN parameter	The call clearing procedure is performed from the called user. a) BC=3,1 kHz audio, voice band data via modem,		
values:	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
		BC=3,1 kHz audio, no LLC (ETS 300 102-1)	
		LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mod		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
values:	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the		
	GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.		

	AU04;
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

GI AU 05	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1 [1], clauses 3.1.10 and 5.2	EN 300 940 [59], clause 7.3.2		
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz au	dio ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio			
criteria:				
PLMN selection	Audio			
criteria:				
Test purpose:	To verify that progress indicator information in	5		
		can be transported correctly to the calling MS.		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the			
	traffic-channel is performed correctly.			
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.			
ISDN parameter	B:? SETUP: GSM-BC=3,1 kHz audio, voice band data via modem			
values:	B:! CONNECT: progress indicator #2 "destination address is non-ISDN".			
PLMN parameter	A:! SETUP: GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem			
values:	A:? CONNECT: progress indicator #2 "destination address is non-ISDN".			
Comments:	The progress indicator information element is transported in the Access Transport			
	parameter of the Answer message (ANM). The access transport parameter will be			
	transported transparently. It is the responsibility of the end points to ensure compatibility.			

GIAU06	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 3.1 and 5.2	EN 300 940 [59], clauses 7.3.2 and 5.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz	z audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	, , , , , , , , , , , , , , , , , , , ,	on included in the ISDN - ALERT message can	
	be transported correctly to the calling MS		
	Ensure that in the call delivered state (N4) the transfer of tone or announcement on the		
	traffic-channel is performed correctly.		
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is		
	performed correctly.		
ISDN parameter	B:? SETUP: GSM-BC=3,1 kHz audio, voice band data via modem		
values:	B:! ALERT: progress indicator #2 "destination address is non-ISDN".		
PLMN parameter	A:! SETUP: GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:	A:? ALERT: progress indicator #2 "destination address is non-ISDN".		
Comments:	The progress indicator information element is transported in the Access Transport		
	parameter of the Address complete mess	age (ACM). The access transport parameter	
	will be transported transparently. It is the	will be transported transparently. It is the responsibility of the end points to ensure	
	compatibility.		

#### Successful UDI

GIUD01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause 5.2
	and 4.5.5	TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successfu	ıl/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:	The user bitrate is out of scope of this test case.	

GIUD02	<b>ISDN ref. to:</b> EN 300 403-1 [1], clauses 5.2 and 4.5.5	PLMN ref. to: EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	clearing procedure is performed correctly	Ensure that call establishment and the call when the called user clears after answer. he data transfer on the traffic and B-channels is
ISDN parameter values:	BC=UDI, rate adaption V.110/X.30, LLC=	UDI, rate adaption V.110/X.30
PLMN parameter values:	GSM-BC=UDI, rate adaption V.110/X.30,	LLC=UDI, rate adaption V.110/X.30
Comments:	The user bitrate is out of scope of this test case.	

GI UD 03	ISDN ref. to:	PLMN ref. to:
GI0D03	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause 5.2
	and 4.5.5	
	and 4.5.5	TS 100 976 [74], clause 10.2
700 (		TS 100 913 [67], clause B.1.2 and B 2.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that the <b>GSM-BC</b> =UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the <b>ISDN SETUP</b> with the <b>BC</b> parameter value information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE <b>LLC</b> =UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user.	
ISDN parameter	a) BC=UDI, V.110/X.30	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=UDI, V.110/X.30,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

Values for test purpose GIDL	J03
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s
VA_02	G_USER_RATE: 1,2 kbit/s Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

#### Successful Facsimile group 3

GI FX 01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2
	EG 201 018 [83]	TS 100 976 [74], clause 10.2.2
	[ ]	TS 100 913 [67], clause B.1.1.1
TSSreference:	GSM-ISDN/Basic_call/Successful/	Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is	
	performed correctly when the calling user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3, no HLC	
values:		
Comments:		

GIFX02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2
		TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clauses B.1.1.1 and B 2.11
TSSreference:	GSM-ISDN/Basic_call/Successful/	Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is	
	performed correctly when the called user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values:		
Comments:		

GIFX03	ISDN ref. to: EN 300 403-1 [1], clause 4.5.17	PLMN ref. to: EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2 TS 100 913 [67], clause B.1.11
TSSreference:	GSM-ISDN/Basic_call/Successful	/Facsimile G3
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" inserted by the network are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, no HLC	
Comments:		

GIFX04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 4.5.17	EN 300 940 [59], clause 5.2.1
		TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clauses B.1.11 and B.2.11
TSSreference:	GSM-ISDN/Basic_call/Successful	Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" received from the MS are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3, HLC=Fac	simile G2/G3
values:		
Comments:		

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#### Successful

### Alternate speech and facsimile group 3

GIAF01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2.1
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsimile G3, no HLC	
Comments:		

	ICDN ref. to:	DI MNI ref. to:
GIAF02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the called user clears after answer.	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsimile G3, no HLC	
Comments:		

	ISDN ref. to:	PLMN ref. to:
GIAF03		
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.1	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio".	
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsimile G3, no	HLC
Comments:		

GI AF 04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio" without HLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GIAF06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC=Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	first GSM-BC=Facsimile G3, no HLC	
values:	second GSM-BC=speech	
Comments:		

GI AF 07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC=Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3	
values:	second GSM-BC=speech	
Comments:		

#### Successful Alternate Speech/Data

GI01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.3.1.2
		TS 100 913 [67], clause B.1.6
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the calling user clears after a	nswer.
	Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is	
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
		MODE user rate: G_USER_RATE
Comments:		

GIAD02	ISDN ref. to:	PLMN ref. to:
GI02		
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.1	TS 100 976 [74], clause 10.3.1.2
		TS 100 913 [67], clause B.1.6
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 61	
criteria:		
Test purpose:	when the called user clears after a	I the call clearing procedure is performed correctly inswer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC= 3,1 kHz audi synchronous/ asynchronous mode user rate: G_USER_RATE LLC= ,1 kHz audio, voice band da synchronous/ asynchronous mode user rate: USER_RATE	ata via modem,
Comments:		

GI AD 03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.1	TS 100 976 [74], clause 10.3.1.2
		TS 100 913 [67], clause B.1.6
TOOme		
TSSreference:	GSM-ISDN/Basic_call/Successfu	/Alternate speech and data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 61	
criteria:		
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio e	ex PLMN, voice band data via modem,
	synchronous/ asynchronous mod	e: MODE
	user rate: G USER RATE	

Comments:

GI04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.3.1.2
		TS 100 913 [67], clause B.1.6
TSSreference:	GSM-ISDN/Basic_call/Successful/	Alternate speech and data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 61	
criteria:		
Test purpose:	indicating "speech" and the secon "3,1 kHz audio ex PLMN) and LLC without LLC. Ensure that in the active call state performed correctly.	-IE (preceded by a repeat indicator "circular"), the first d indicating the appropriate data service with the ITC are mapped to the ISDN BC value "3,1 kHz audio" (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC= 3,1 kHz audio, voice band data via modem,	
	Synchronous/ asynchronous mode	e: MODE
	user rate: USER_RATE	
Comments:		

Values for test purpose GIAD0	1 to GIAD04
VA_01	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

#### Successful Speech followed by data

GIFD01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2.1	
	and 5.2	TS 100 976 [74], clause 10.2.2	
		TS 100 913 [67], clause B.1.7	
TSSreference:	GSM-ISDN/Basic_call/Successful	/Speech followed by data	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	BS 81		
criteria:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly		
	when the calling user clears after answer.		
		Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ICDN noromotor	/		
ISDN parameter values:	BC=3,1 kHz audio, no HLC		
PLMN parameter	First GSM-BC=speech		
values:	Second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode	e: MODE	
	user rate: G_USER_RATE		
Comments:			

GIFD02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clauses B.1.7 and B.2.7.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	Speech followed by data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 81	
criteria:		
Test purpose:	Ensure that call establishment and	the call clearing procedure is performed correctly
	when the called user clears after a	nswer.
	Ensure that in the active call state	(N10) the data transfer on the traffic and B-channels is
	performed correctly.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio ex	PLMN, voice band data via modem,
	synchronous/ asynchronous mode:	MODE
	user rate: G_USER_RATE	
	LLC= 3,1 kHz audio, voice band c	lata via modem,
	Synchronous/ asynchronous mode	: MODE
	User rate: USER_RATE	
Comments:		

GIFD03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clauses B.1.7 and B.2.7.2
TSSreference:	GSM-ISDN/Basic_call/Successful	Speech followed by data
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	BS 81	
criteria:		
Test purpose:	first indicating "speech" and the se ITC "3,1 kHz audio ex PLMN) are	E-IE (preceded by a repeat indicator "sequential"), the econd indicating the appropriate data service with the mapped to the ISDN BC value "3,1 kHz audio". (N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:		x PLMN, voice band data via modem,
	synchronous/ asynchronous mode	: MODE
	user rate: G_USER_RATE	
Comments:		

GIFD04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2.1
	and 5.2	TS 100 976 [74], clause 10.2.2
		TS 100 913 [67], clauses B.1.7 and B.2.7.1
TSSreference:	GSM-ISDN/Basic_call/Successful/	Speech followed by data
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	first indicating "speech" and the se ITC "3,1 kHz audio ex PLMN) and audio" without LLC.	-IE (preceded by a repeat indicator "sequential"), the cond indicating the appropriate data service with the LLC are mapped to the ISDN BC value "3,1 kHz (N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:		x PLMN, voice band data via modem,
	synchronous/ asynchronous mode	: MODE
	user rate: G_USER_RATE	
	LLC=3,1 kHz audio, voice band da	
	Synchronous/ asynchronous mode	e: MODE
	user rate: USER_RATE	
Comments:		

Values for test purpose GIFD01 to GIFD04	
VA_01	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

#### Successful Emergency Calls

GIEC01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5 and 5.2	EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	Emergency Call
ISDN selection criteria:	Emergency service, bearer service	e speech
PLMN selection criteria:	TS 12	
Test purpose:	call clearing procedure is performe	valid SIM card. Ensure that call establishment and the ed correctly when the calling user clears after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=	speech, no HLC
Comments:		

GIEC02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2.1
	and 5.2	TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/	Emergency Call
ISDN selection	Emergency service, bearer service	e speech
criteria:		
PLMN selection	TS 12;	
criteria:		
Test purpose:		valid SIM card. Ensure that call establishment and the ed correctly when the called user clears after answer.
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		
Comments:		

GI EC 03	ISDN ref. to:	PLMN ref. to:
000	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clause 5.2
	and 5.2	TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	Emergency Call
ISDN selection	Emergency service, bearer service	e speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	call clearing procedure is performe	a SIM card. Ensure that call establishment and the ed correctly when the calling user clears after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		
Comments:	It is an option of the network opera MSs which do not transmit an IMS	ator whether to accept emergency calls coming from I or a TMSI.

GIEC04	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clauses 4.5.1.5 and 5.2.1 TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/	
ISDN selection criteria:	Emergency service, bearer service	speech
PLMN selection criteria:	TS 12	
Test purpose:	call clearing procedure is performe	a SIM card. Ensure that call establishment and the d correctly when the called user clears after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=	speech, no HLC
Comments:	It is an option of the network opera MSs which do not transmit an IMSI	tor whether to accept emergency calls coming from or a TMSI.

GIEC05	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clauses 4.5.1.5 and 5.2 TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful	/ Emergency Call
ISDN selection criteria:	Emergency service, bearer servic	e speech
PLMN selection criteria:	TS 12	
Test purpose:	by the VLR. Ensure that call estat correctly when the calling user cle	he IMSI contained in the SIM Card is not recognised blishment and the call clearing procedure is performed ars after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=	speech, no HLC
Comments:		ator whether to accept emergency calls coming from he SIM Card is not recognised by the VLR.

GI EC 06	ISDN ref. to:	PLMN ref. to:
0100	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clauses 4.5.1.5 and 5.2.1
	and 5.2	TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/	
ISDN selection	Emergency service, bearer service	e speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	by the VLR. Ensure that call estab correctly when the called user clea	ne IMSI contained in the SIM Card is not recognised lishment and the call clearing procedure is performed ars after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter	BC=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		
Comments:		tor whether to accept emergency calls coming from
	MSs when the IMSI contained in the	ne SIM Card is not recognised by the VLR.

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#### Successful HSCSD - 3,1 kHz

GIHA01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	EN 300 940 [59]
		TS 100 976 [74]
		TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Su	iccessful/HSCSD - 3,1 kHz
ISDN selection	Bearer service 3,1 kHz a	udio
criteria:		
PLMN selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose: ISDN parameter	data via modem, synchro rate set to FNU_RATE, n interface user rate set to correctly mapped to the I capability 3,1 kHz audio is set to MODE, user rate	sure that the data transfer on the traffic and B-channels is
values:		
values.	synchronous/ asynchronous/ asynchronous/ asynchronous/ asynchronous/	
PLMN parameter		ex PLMN, voice band data via modem,
values:	synchronous/asynchrono	
values.	fix network user rate: FN	
	maximum number of traff	
	air interface user rate: Al	-
Commonto	acceptable channel codir	IG: ICH_FX_X
Comments:		

EN 300 403-1 [1]       EN 300 940 [59] TS 100 976 [74] TS 101 038 [88]         GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz         Bearer service 3,1 kHz audio         HSCSD, 3,1 kHz         Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user
TS 100 976 [74] TS 101 038 [88] GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz Bearer service 3,1 kHz audio HSCSD, 3,1 kHz Ensure that the <b>GSM-BC</b> with the parameter values: 3,1 kHz audio ex PLMN, voice band
TS 101 038 [88]         GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz         Bearer service 3,1 kHz audio         HSCSD, 3,1 kHz         Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band
GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz         Bearer service 3,1 kHz audio         HSCSD, 3,1 kHz         Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band
Bearer service 3,1 kHz audio         HSCSD, 3,1 kHz         Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band
Ensure that the <b>GSM-BC</b> with the parameter values: 3,1 kHz audio ex PLMN, voice band
Ensure that the <b>GSM-BC</b> with the parameter values: 3,1 kHz audio ex PLMN, voice band
rate set to FNU_RATE, maximum number of traffic channels set to MODE, in the Work user interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the <b>LLC</b> parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the <b>ISDN BC</b> with the parameter values: information transfer capability 3,1 kHz audio voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE and the and the <b>LLC</b> with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels is performed correctly.
BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE
GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE

Values for test purpose GIHA01 and GIHA	A02
VA_01	MODE: synchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 3
	AIU_RATE: 14,4 kbit/s
	TCH_FX_X: 4,8
VA_02	MODE: synchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 2
	AIU_RATE: 19,2
	TCH_FX_X: 9,6
VA_03	MODE: synchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 3
	AIU_RATE: 28,8 kbit/s
VA 04	TCH_FX_X: 9,6
VA_04	MODE: synchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s No_TCH: 4
	AIU_RATE: 38,8 kbit/s
	TCH_FX_X: 9,6
VA_05	MODE: synchronous
VA_00	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
	No_TCH: 4
	AIU_RATE: 57,6 kbit/s
	TCH_FX_X: 14,4
VA_06	MODE: synchronous
-	USER_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57,6
	TCH_FX_X: 14,4
VA_07	MODE: asynchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 1
	AIU_RATE: 14,4
	TCH_FX_X:14,4
VA_08	MODE: asynchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
VA_09	TCH_FX_X: 4,8
VA_UJ	MODE: asynchronous
	USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s
	NO_TCH: 2
	AIU_RATE: 28,8
	TCH_FX_X:14,4
VA_10	MODE: asynchronous
···_·•	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8
	TCH_FX_X:9,6
VA_11	MODE: asynchronous
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s
VA_11	USER_RATE: 48,0 kbit/s
VA_11	
VA_11	USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

#### ETSI TS 102 113-1 V1.1.1 (2002-08)

#### Successful HSCSD - data

GIHU01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	EN 300 940 [59]
		TS 100 976 [74]
		TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/	
ISDN selection	UDI	
criteria:		
PLMN selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the <b>GSM-BC</b> with the	parameter values: information transfer capability UDI,
	V.110/X.30, synchronous/ asynchr	onous mode is set to MODE, fix network user rate set
		of traffic channels set to No_TCH, wanted air interface
	user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly	
	mapped to the <b>ISDN BC</b> with the parameter values: information transfer capability UDI,	
	V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to	
	USER RATE.	
	In the active call state ensure that the data transfer on the traffic and B-channels are	
	performed correctly.	
ISDN parameter	BC=UDI, V.110/X.30,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	. MODE
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:		
values.	Synchronous/asynchronous mode: MODE	
	Fix network user rate: FNU_RATE	
	Maximum number of traffic channe	из. INU_I UП,
	air interface user rate: AIU_RATE	
	acceptable channel coding: TCH_I	-X_X
Comments:		

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GI HU 02	ISDN ref. to:	PLMN ref. to:
GI11002	EN 300 403-1 [1]	EN 300 940 [59]
		TS 100 976 [74]
		TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successf	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the <b>GSM-BC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the <b>LLC</b> parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the <b>ISDN BC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the <b>ISDN BC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE and the and the <b>LLC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE and the and the <b>LLC</b> with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels are performed correctly.	
ISDN parameter	BC=UDI, V.110/X.30,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE	
PLMN parameter	user rate: USER_RATE GSM-BC=UDI, V.110/X.30,	
values:	synchronous/asynchronous mode: MODE	
Tulu00.	fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE	
	acceptable channel coding: TCH	
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mo	de: MODE
	user rate: USER_RATE	
Comments:		

USER. RÅTE: 14.4 kbit/s           FNU. RATE: 14.4 kbit/s           FAUL RATE: 14.4 kbit/s           No_TOH: 3           AUL RATE: 14.4 kbit/s           TCH. FX.X:4.8           WA_02           MODE: synchronous           USER. RATE: 19.2 kbit/s           FAUL RATE: 19.2           TCH. FX.X:4.8           WA_03           MODE: synchronous           USER. RATE: 28.8 kbit/s           FAUL RATE: 19.2           TCH. FX.X:9.6           WA_03           MODE: synchronous           USER. RATE: 28.8 kbit/s           FAUL RATE: 28.8 kbit/s           FAUL RATE: 28.8 kbit/s           FAUL RATE: 38.4 kbit/s           VA_04           MODE: synchronous           USER. RATE: 38.4 kbit/s           FAUL RATE: 48.0 kbit/s           FAUL RATE: 48.0 kbit/s           FAUL RATE: 57.6 kbit/s           TCH FX X: 14.4           VA_05           MODE: synchronous           USER. RATE: 18.2 kbit/s           FAUL RATE: 57.6           TCH FX X: 14.4	Values for test purpose GIHU01 and GIH	U02
VA_02         USER_RATE: 14.4 kbl/s           FNU_RATE: 14.4 kbl/s         AUL_RATE: 14.4 kbl/s           TCH_FX_X.4.8         WOOE           WA_02         MODE: synchronous           USER_RATE: 19.2 kbl/s         FNU_RATE: 19.2           FNU_RATE: 19.2         AUL_RATE: 19.2           TCH_FX_X.9.6         MODE: synchronous           USER_RATE: 28.8 kbl/s         FNU_RATE: 28.8 kbl/s           FNU_RATE: 28.8 kbl/s         FNU_RATE: 38.4 kbl/s           FNU_RATE: 38.4 kbl/s         FNU_RATE: 38.4 kbl/s           FNU_RATE: 37.6         FOLER SYNCHRONOUS           USER_RATE: 36.0 kbl/s         FNU_RATE: 57.6           FNU_RATE: 37.6         FOLER SYNCHRONOUS           USER_RATE: 19.2 kbl/s         FNU_RATE: 37.6           FOLER SYNCHRONOUS         USER_RATE: 19.2 kbl/s           FNU_RATE: 37.6         FOLER SYNCHRON	VA_01	
No_TCH: 3         AUU RTE: 14,4 kbit/s           AUU RTE: 14,4 kbit/s         TCH FX,X:4,8           WA_02         MODE: synchronous           USER, RATE: 19,2 kbit/s         FNU, RATE: 19,2           FNU, RATE: 19,2         AUU, RATE: 19,2           TCH, FX, Y, 9,6         MODE: synchronous           WA_03         MODE: synchronous           USER, RATE: 28,8 kbit/s         FNU, RATE: 28,8 kbit/s           FNU, RATE: 28,8 kbit/s         FNU, RATE: 28,8 kbit/s           FNU, RATE: 28,8 kbit/s         FNU, RATE: 28,8 kbit/s           VA_04         MODE: synchronous           USER, RATE: 38,4 kbit/s         FNU, RATE: 38,4 kbit/s           FNU, RATE: 48,0 kbit/s         FNU, RATE: 48,0 kbit/s           FNU, RATE: 56,0 kbit/s         FNU, RATE: 57,6 kbit/s           VA_06         MODE: synchronous           USER, RATE: 19,2 kbit/s         FNU, RATE: 19,2 kbit/s           TCH, FX, X1,4         MUQE: synchronous           USER, RATE: 19,2 kbit/s         FNU, RATE: 19,2 kbit/s           TC		USER_RATE: 14,4 kbit/s
AIU_RATE: 14,4 kbit/s           TCH_FX_X.4,8           WA_02           MODE: synchronous           USER_RATE: 19,2 kbit/s           No_TCH: 2           AIU_RATE: 19,2 kbit/s           No_TCH: 2           AIU_RATE: 19,2           TCH_FX_X: 9,6           VA_03           MODE: synchronous           USER_RATE: 28,8 kbit/s           No_TCH: 3           AIU_RATE: 38,4 kbit/s           No_TCH: 34,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 57,6 kbit/s           TCH: FX, X: 14,4           VA_06           MODE: synchronous           USER_RATE: 30,6 kbit/s           F		FNU_RATE: 14,4 kbit/s
TCH         FX. X.4.8           WA_02         MODE: synchronous           USER, RATE: 19.2 kbit/s         FNU, RATE: 19.2           FNU, RATE: 19.2         AUL, RATE: 19.2           TCH, FX. X: 9.6         MODE: synchronous           USER, RATE: 28.8 kbit/s         FNU, RATE: 28.8 kbit/s           FNU, RATE: 28.8 kbit/s         FNU, RATE: 28.8 kbit/s           FNU, RATE: 28.4 kbit/s         FNU, RATE: 28.4 kbit/s           FNU, RATE: 28.4 kbit/s         FNU, RATE: 28.4 kbit/s           FNU, RATE: 39.4 kbit/s         FNU, RATE: 39.4 kbit/s           FNU, RATE: 39.4 kbit/s         FNU, RATE: 39.4 kbit/s           FNU, RATE: 39.4 kbit/s         FNU, RATE: 39.4 kbit/s           VA_04         MODE: synchronous           USER, RATE: 49.0 kbit/s         FNU, RATE: 39.4 kbit/s           FNU, RATE: 39.4 kbit/s         FNU, RATE: 39.4 kbit/s           VA_05         USER, RATE: 49.0 kbit/s           VA_06         MODE: synchronous           USER, RATE: 50.0 kbit/s         FNU, RATE: 50.0 kbit/s           FNU, RATE: 50.0 kbit/s         FNU, RATE: 50.0 kbit/s           VA_06         MODE: synchronous           USER, RATE: 19.2 kbit/s         FNU, RATE: 19.2 kbit/s           FNU, RATE: 19.2 kbit/s         FNU, RATE: 19.2 kbit/s           VA_07 <td></td> <td>No_TCH: 3</td>		No_TCH: 3
VA.02         MODE: synchronous           USER_RATE: 19.2 kbit/s           No_TCH: 2           AIU_RATE: 19.2 kbit/s           No_TCH: 2           AIU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           No_TCH: 3           AIU_RATE: 28.8 kbit/s           FNU_RATE: 38.4 kbit/s           FNU_RATE: 38.4 kbit/s           FNU_RATE: 38.8 kbit/s           FNU_RATE: 38.0 kbit/s           FNU_RATE: 37.6 kbit/s           FNU_RATE: 38.4 kbit/s           FNU_RATE: 38.4 kbit/s           FNU_RATE: 38.2 kbit/s           FNU_RATE:		
USER, RATE: 19.2 kbit/s           FNUL, RATE: 19.2 kbit/s           AUL, RATE: 19.2           TCH, FX, X: 9.6           VA. 03           MODE: synchronous           USER, RATE: 28.8 kbit/s           FNUL, RATE: 28.8 kbit/s           No. TCH: 3           AUL, PATE: 28.8 kbit/s           No. TCH: 2           No. TCH: 2           AUL, PATE: 28.8 kbit/s           No. TCH: 3           AUL, PATE: 38.4 kbit/s           No. TCH: 4           AUL, PATE: 38.4 kbit/s           No. TCH: 4           AUL, RATE: 38.4 kbit/s           No. TCH: 4           AUL, RATE: 38.4 kbit/s           No. TCH: 4           AUL, RATE: 38.4 kbit/s           NO.TCH: 4           AUL, RATE: 38.6 kbit/s           TCH, FX, X: 14.4           VA_06           MODE: synchronous           USER, RATE: 14.4 kbit/s           NO.TCH: 4           AUL, RATE: 14.4 kbit/s           FNU, RATE: 14.4 kbit/s		
FNU_FATE: 19.2 kbit/s           No_TCH: 2           AU, RATE: 19.2           TCH.FX.X: 9.6           WA_03           MODE: synchronous           USER_RATE: 28.8 kbit/s           FNU_FATE: 28.8 kbit/s           FATE: 38.4 kbit/s           FNU_FATE: 38.4 kbit/s           FNU_FATE: 38.8 kbit/s           FNU_FATE: 38.8 kbit/s           FNU_FATE: 38.8 kbit/s           FNU_FATE: 38.4 kbit/s           FNU_FATE: 38.8 kbit/s           FNU_FATE: 37.6 kbit/s           FNU_FATE: 38.8 kbit/s <t< th=""><th>VA_02</th><th>MODE: synchronous</th></t<>	VA_02	MODE: synchronous
No. TCH: 2         AUU, RATE: 19.2           TCH: FX: 9.6         MODE: synchronous           USER. RATE: 28.8 kbit/s         FNU. RATE: 28.8 kbit/s           No. TCH: 3         AIU, RATE: 28.8 kbit/s           No. TCH: 3         AIU, RATE: 28.8 kbit/s           TCH: FX: 9.6         WA.04           WA.05         WODE: synchronous           USER.RATE: 38.4 kbit/s         No. TCH: 4           AIU, RATE: 38.4 kbit/s         No. TCH: 4           No. TCH: 4         AIU, RATE: 38.8 kbit/s           TCH: FX: X: 9.6         WA.05           VA.05         MODE: synchronous           USER, RATE: 48.0 kbit/s         FNU. RATE: 48.0 kbit/s           No. TCH: 4         AIU, RATE: 57.6 kbit/s           TCH: FX: X: 14.4         MODE: synchronous           USER, RATE: 48.0 kbit/s         FNU. RATE: 57.6           TCH: FX: X: 14.4         Kbit/s           FNU. RATE: 19.2 kbit/s         FNU. RATE: 19.2 kbit/s      <		
AIU_RATE: 19,2           TCH_FX.Y.9,6           VA_03           MODE: synchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           TCH_FX.Y.9,6           VA_04           MODE: synchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 50,0 kbit/s transparent           No_TCH: 4           AIU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s <td< td=""><td></td><td></td></td<>		
TCH_FX_X:9.6           VA_03         MODE: synchronous           USER_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           No_TCH: 3           AtU_RATE: 28.8 kbit/s           VA_04           MODE: synchronous           USER_RATE: 38.4 kbit/s           No_TCH: 3           AtU_RATE: 38.4 kbit/s           No_TCH: 4           MODE: synchronous           USER_RATE: 38.4 kbit/s           No_TCH: 4           AIU_RATE: 48.0 kbit/s           FNU_RATE: 60.6 kbit/s           FNU_RATE: 57.6 kbit/s           FNU_RATE: 57.6 kbit/s           FNU_RATE: 57.6           TCH-FX_X:14.4           VA_07           MODE: synchronous           USER_RATE: 14.4 kbit/s           FNU_RATE: 57.6           TCH-FX_X:14.4           VA_07           MODE: synchronous           USER_RATE: 19.2 kbit/s           FNU_RATE: 14.4 kbit/s           No_TCH: 4           AIU_RATE: 14.4 kbit/s		
VA_03         MODE: synchronous           USER.RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           No_TCH: 3           AIU_RATE: 28.8 kbit/s           TCH-FX_X: 9.6           WA_04           MODE: synchronous           USER.RATE: 38.4 kbit/s           FNU_RATE: 38.4 kbit/s           No_TCH: 4           AIU_RATE: 38.8 kbit/s           No_TCH: 4           AIU_RATE: 38.4 kbit/s           No_TCH: 4           AIU_RATE: 58.6 kbit/s           TCH-FX_X: 9.6           VA_05           MODE: synchronous           USER.RATE: 48.0 kbit/s           No_TCH: 4           AIU_RATE: 56.0 kbit/s           FNU_RATE: 14.4 kbit/s           No_TCH: 4		
USER_RÄTE: 28,8 kbi/s           FNU_RATE: 28,8 kbi/s           No TCH: 3           AIU_RATE: 28,8 kbi/s           TCH FX, 3,6           VA_04           MODE: synchronous           USER_RATE: 38,4 kbi/s           No_TCH: 4           AIU_RATE: 38,4 kbi/s           No_TCH: 4           AIU_RATE: 38,4 kbi/s           FNU_RATE: 38,4 kbi/s           VA_05           MODE: synchronous           USER_RATE: 48,0 kbi/s           FNU_RATE: 57,6 kbi/s           FNU_RATE: 57,6 kbi/s           FNU_RATE: 57,6 kbi/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 57,6 kbi/s           FNU_RATE: 56,0 kbi/s           FNU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbi/s           No_TCH: 4           AIU_RATE: 14,4 kbi/s           No_TCH: 4           AIU_RATE: 14,4 kbi/s           No_TCH: 4           AIU_RATE: 19,2 kbi/s           FNU_RATE: 19,2 kbi/s           FNU_RATE: 19,2 kbi/s           FNU_RATE: 28,8 kbi/s           FNU_RATE: 28,8 kb		
FNU_RATE: 28,8 kbi/s           No TCH: 3           AU, RATE: 28,8 kbi/s           TCH_FX_X: 9,6           WA_04           MODE: synchronous           USER, RATE: 38,4 kbi/s           FINU_RATE: 38,4 kbi/s           FINU_RATE: 38,4 kbi/s           No_TCH: 4           AUL_RATE: 38,8 kbi/s           TCH_FX_X: 9,6           WA_05           WA_05           WA_06           WODE: synchronous           USER, RATE: 48,0 kbi/s           FNU_RATE: 56,0 kbi/s           FNU_RATE: 14,4 kbi/s           No_TCH: 4           AUU_RATE: 57,6           TCH_FX_X:14,4           VA_07           WOE: synchronous           USER_RATE: 14,4 kbi/s           No_TCH: 1           AUU_RATE: 14,4 kbi/s           NO_TCH: 4           AUU_RATE: 14,4 kbi/s           No_TCH: 1           AUU_RATE: 14,4 kbi/s           No_TCH: 1           AUU_RATE: 14,4 kbi/s	VA_03	MODE: synchronous
No_TCH: 3         AIU_RATE: 28.8 kbit/s           TCH_FX_X:9.6         MODE: synchronous           USER_RATE: 38.4 kbit/s         FNU_RATE: 38.4 kbit/s           No_TCH: 4         AIU_RATE: 38.4 kbit/s           AIU_RATE: 38.4 kbit/s         FNU_RATE: 38.4 kbit/s           VA_05         MODE: synchronous           USER_RATE: 48.0 kbit/s         FNU_RATE: 48.0 kbit/s           FNU_RATE: 57.6 kbit/s         FNU_RATE: 57.6 kbit/s           FNU_RATE: 57.6 kbit/s         FNU_RATE: 57.6 kbit/s           FNU_RATE: 57.6 kbit/s         FNU_RATE: 57.6 kbit/s           VA_06         MODE: synchronous           USER_RATE: 56.0 kbit/s transparent         No_TCH: 4           AIU_RATE: 57.6 kbit/s         FNU_RATE: 57.6           VA_07         MODE: synchronous           USER_RATE: 14.4 kbit/s         SN_OTCH: 1           AIU_RATE: 17.2         SN_OTCH: 4           AIU_RATE: 14.4 kbit/s         SN_OTCH: 1           VA_07         MODE: synchronous           USER_RATE: 19.2 kbit/s         FNU_RATE: 19.2 kbit/s           N_OTCH: 4         AIU_RATE: 19.2           VA_08         MODE: synchronous           USER_RATE: 19.2 kbit/s         SN_OTCH: 4           AIU_RATE: 28.8 kbit/s         FNU_RATE: 28.8 kbit/s		
AIU_RATE: 28,8 kbit/s           TCH_FX_Y:9.6           VA_04           MODE: synchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8 kbit/s           TCH_FX_X:9.6           VA_05           MODE: synchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AIU_RATE: 14,4 kbit/s           No_TCH: 4           AIU_RATE: 14,4 kbit/s           FNU_RATE: 14,2 kbit/s           No_TCH: 4           AIU_RATE: 14,4 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AIU_RATE: 22,8 kbit/		
TCH_FX_X:9.6           VA_04         MODE: synchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 kbit/s           TCH_FX_X:9.6         MODE: synchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s           VA_05         MODE: synchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s           VA_06         MODE: synchronous USER_RATE: 56,0 kbit/s TCH_FX_X: 14,4           VA_06         MODE: synchronous USER_RATE: 56,0 kbit/s FNU_RATE: 57,6           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 MODE: asynchronous USER_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,4 kbit/s FNU_RATE: 38,0 kbit/s FNU_RATE: 37,6		
VA_04         MODE: synchronous           USER_RATE: 38,4 kbit/s         No           FNU_RATE: 38,4 kbit/s         No           VA_05         MODE: synchronous           VA_05         MODE: synchronous           USER_RATE: 48,0 kbit/s         FNU_RATE: 38,4 kbit/s           FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s           No_TCH: 4         AlU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4         VA_06           USER_RATE: 57,6         TCH_FX_X: 14,4           VA_07         MODE: synchronous           USER_RATE: 14,4 kbit/s         FNU_RATE: 57,6           TCH_FX_X: 14,4         MODE: synchronous           USER_RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s           No_TCH: 4         AlU_RATE: 57,6           USER_RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s           No_TCH: 4         AlU_RATE: 14,4 kbit/s           No_TCH: 4         AlU_RATE: 19,2 kbit/s           No_TCH: 4         AlU_RATE: 19,2 kbit/s           No_TCH: 4         AlU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s           No_TCH: 4         AlU_RATE: 38,4 kbit/s           No_TCH: 4         AlU_RATE: 38,8 kbit/s </td <td></td> <td></td>		
USER_RÅTE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AUU_RATE: 38,8 kbit/s           TCH: FX, X: 9,6           WA_05           MODE: synchronous           USER_RATE: 48,0 kbit/s           No_TCH: 4           AUU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           WA_06           WOE: synchronous           USER_RATE: 56,0 kbit/s           TCH_FX_X: 14,4           WOE: synchronous           USER_RATE: 56,0 kbit/s transparent           No_TCH: 4           AUU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 4           AUU_RATE: 14,4 kbit/s           No_TCH: 1           AUU_RATE: 14,4 kbit/s           No_TCH: 1           AUU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           FNU_RATE: 28,8 kbit/s     <	NA 04	
FNU_RATE: 38,4 kbit/s           N0_TCH: 4           AUU_RATE: 38,8 kbit/s           TCH_FX_X: 9,6           WODE: synchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 56,0 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 56,0 kbit/s           FNU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AUU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           <	VA_04	
No.TCH: 4 AIU. RATE: 38.8 kbit/s TCH_FX_X: 9.6           VA_05         MODE: synchronous           USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s           No.TCH: 4 AIU_RATE: 57.6 kbit/s           TCH_FX_X: 14.4           VA_06           WODE: synchronous           USER_RATE: 56.0 kbit/s           TCH_FX_X: 14.4           VA_07           WODE: synchronous           USER_RATE: 56.0 kbit/s           FNU_RATE: 57.6           TCH_FX_X: 14.4           VA_07           WODE: asynchronous           USER_RATE: 14.4 kbit/s           FNU_RATE: 14.4 kbit/s           No_TCH: 1           AUL_RATE: 14.4 kbit/s           No_TCH: 1           AUL_RATE: 14.4 kbit/s           No_TCH: 1           AUL_RATE: 19.2 kbit/s           FNU_RATE: 19.2 kbit/s           No_TCH: 2           AUL_RATE: 19.2 kbit/s           No_TCH: 4           AUL_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           No_TCH: 4           AUL_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           FNU_RATE: 28.8 kbit/s           No_TCH: 4		
AIU_RATE: 38,8 kbit/s           TCH_FX_X: 9,6           WA_05           MODE: synchronous           USER_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 50,0 kbit/s           FNU_RATE: 56,0 kbit/s           FNU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: synchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AUU_RATE: 19,2 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s		
TCH. FX. X: 9.6           MODE: synchronous           USER_RATE: 48,0 kbit/s           No.TCH: 4           AIU_RATE: 57,6 kbit/s           TCH. FX. X: 14,4           VA_06           WODE: synchronous           USER_RATE: 56,0 kbit/s           TCH. FX. X: 14,4           VA_06           WODE: synchronous           USER_RATE: 56,0 kbit/s           FNU_RATE: 56,0 kbit/s           FNU_RATE: 57,6           TCH_FX. X: 14,4           VA_07           MODE: asynchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AIU_RATE: 19,2 kbit/s           No_TCH: 4           AU_RATE: 19,2 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 38,8 kbit/s           No		
VA_05         MODE: synchronous USER_RATE: 48,0 kbit/s FNU_RATE: 57,6 kbit/s No_TCH: 4 AIU_RATE: 57,6 kbit/s TCH_FX_X: 14,4           VA_06         MODE: synchronous USER_RATE: 56,0 kbit/s FNU_RATE: 56,0 kbit/s FNU_RATE: 57,6 TCH_FX_X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 57,6		
VA_09 VA_09 VA_09 VA_09 VA_09 VA_09 VA_00	VA 05	
FNU_RATE: 48,0 kbit/s           No_TCH: 4           AlU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 56,0 kbit/s transparent           No_TCH: 4           AlU_RATE: 57,6           TCH_FX_X: 14,4           VA_07           MODE: asynchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AlU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AlU_RATE: 19,2 kbit/s           No_TCH: 4           AlU_RATE: 19,2 kbit/s           No_TCH: 4           AlU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 38,4 kbit/s	VA_00	
No_TCH: 4 AIU_RATE: 57,6 kbit/s TCH_FX_X: 14,4           VA_06         MODE: synchronous USER_RATE: 56,0 kbit/s FNU_RATE: 56,0 kbit/s fNU_RATE: 56,0 kbit/s transparent No_TCH: 4 AIU_RATE: 57,6 TCH_FX_X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,3 TCH_FX_X: 9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s		
AIU_RATE: 57,6 kbit/s           TCH_FX_X: 14,4           VA_06           MODE: synchronous           USER_RATE: 56,0 kbit/s transparent           No_TCH: 4           AIU_RATE: 57,6 kbit/s           FNU_RATE: 56,0 kbit/s transparent           No_TCH: 4           AIU_RATE: 57,6           CH_FX_X: 14,4           VA_07           MODE: asynchronous           USER_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s           No_TCH: 1           AIU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AIU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 38,4 kbit/s		
TCH_FX_X: 14,4           VA_06         MODE: synchronous           USER RATE: 56,0 kbit/s         FNU_RATE: 56,0 kbit/s           FNU_RATE: 57,6         TCH_FX_X: 14,4           AlU_RATE: 57,6         TCH_FX_X: 14,4           VA_07         MODE: asynchronous           USER RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s           FNU_RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s           No_TCH: 1         AlU_RATE: 14,4           VA_08         MODE: asynchronous           USER RATE: 19,2 kbit/s         FNU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s         FNU_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s         FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s         FNU_RATE: 38,4 kbit/s           VA_09         MODE: asynchronous           USER_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s         FNU_RATE: 38,4 kbit/s           VA_10         MODE: asynchronous           USER_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s         FNU_RATE: 48,0 kbit/s           MODE: asynchronous         USER_RATE: 48,0 kbit/s		
VA_06         MODE: synchronous USER_RATE: 56,0 kbit/s FNU_RATE: 56,0 kbit/s transparent No_TCH: 4 AIU_RATE: 57,6 TCH_FX, X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4           VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 1 AIU_RATE: 19,2 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 57,6		
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FNU_RATE: 56,0 kbit/s transparent No_TCH: 4 AIU_RATE: 57,6 TCH_FX_X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4           VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 57,6		
No_TCH: 4 AU_RATE: 57,6 TCH_FX_X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4           VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 kbit/s NO_TCH: 4           VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 38,4 kbit/s FNU_RATE: 38,6 TCH_FX_3,9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 57,6		
AIU_RATE: 57,6         TCH_FX_X: 14,4         WODE: asynchronous         USER_RATE: 14,4 kbit/s         FNU_RATE: 14,4 kbit/s         No_TCH: 1         AIU_RATE: 14,4         AIU_RATE: 14,4         VA_08         MODE: asynchronous         USER_RATE: 19,2 kbit/s         FNU_RATE: 19,2 kbit/s         No_TCH: 4         AIU_RATE: 28,8 kbit/s         No_TCH: 4         AIU_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s         No_TCH: 2         AIU_RATE: 28,8 kbit/s         No_TCH: 2         AIU_RATE: 28,8 kbit/s         No_TCH: 2         AIU_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s         FNU_RATE: 38,8         TCH_FX_X: 9,6         VA_11       MODE: asynchronous         USER_RATE: 48,0 kbit/s         FNU_RATE: 57,6		
TCH_FX_X: 14,4           VA_07         MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AlU_RATE: 14,4           VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AlU_RATE: 19,2 TCH_FX_X: 4,8           VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AlU_RATE: 28,8 kbit/s No_TCH: 2 AlU_RATE: 38,4 kbit/s FNU_RATE: 38,8 TCH_FX_X: 9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 57,6		
USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 TCH_FX_X:14,4 VA_08 MODE: asynchronous USER_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X:4,8 VA_09 MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 VA_11 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 57,6		
FNU_RATE: 14,4 kbit/s           No_TCH: 1           AlU_RATE: 14,4           TCH_FX_X:14,4           VA_08           MODE: asynchronous           USER_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AlU_RATE: 19,2           TCH_FX_X: 4,8           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 38,8 kbit/s           TCH_FX_X: 14,4           VA_10           MODE: asynchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 57,6	VA_07	MODE: asynchronous
No_TCH: 1           AIU_RATE: 14,4           TCH_FX_X:14,4           VA_08           MODE: asynchronous           USER_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AIU_RATE: 19,2           TCH_FX_X: 4,8           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 57,6		
AIU_RATE: 14,4           TCH_FX_X:14,4           MODE: asynchronous           USER_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AIU_RATE: 19,2           TCH_FX_X:4,8           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 48,0 kbit/s <td></td> <td></td>		
TCH_FX_X:14,4           VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4,8           VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 kbit/s           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s		
VA_08         MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4,8           VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s		
USER_RATE: 19,2 kbit/s           FNU_RATE: 19,2 kbit/s           No_TCH: 4           AIU_RATE: 19,2           TCH_FX_X: 4,8           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8 kbit/s           No_TCH: 4           AIU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,6           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 57,6		
$VA_09 \\ VA_09 \\ VA_09 \\ VA_09 \\ VA_09 \\ VA_09 \\ VA_00 \\ VA_0$	VA_08	
No_TCH: 4           AIU_RATE: 19,2           TCH_FX_X: 4,8           VA_09           MODE: asynchronous           USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8           TCH_FX_X:14,4           VA_10           MODE: asynchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s		
AIU_RATE: 19,2         TCH_FX_X: 4,8         VA_09         MODE: asynchronous         USER_RATE: 28,8 kbit/s         FNU_RATE: 28,8 kbit/s         No_TCH: 2         AIU_RATE: 28,8         TCH_FX_X:14,4         VA_10         MODE: asynchronous         USER_RATE: 38,4 kbit/s         FNU_RATE: 38,8         TCH_FX_X: 9,6         VA_11         MODE: asynchronous         USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 57,6		
TCH_FX_X: 4,8           VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X: 9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 57,6		
VA_09         MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X: 9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s		
USER_RATE: 28,8 kbit/s           FNU_RATE: 28,8 kbit/s           No_TCH: 2           AIU_RATE: 28,8           TCH_FX_X:14,4           VA_10           MODE: asynchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           AIU_RATE: 57,6	N/A 00	
FNU_RATE: 28,8 kbit/s         No_TCH: 2         AlU_RATE: 28,8         TCH_FX_X:14,4         VA_10         MODE: asynchronous         USER_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s         No_TCH: 4         AlU_RATE: 38,8         TCH_FX_X: 9,6         VA_11         MODE: asynchronous         USER_RATE: 48,0 kbit/s         No_TCH: 4         AlU_RATE: 38,8         TCH_FX_X: 9,6         VA_11         MODE: asynchronous         USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         No_TCH: 4         AlU_RATE: 57,6	VA_09	
No_TCH: 2           AIU_RATE: 28,8           TCH_FX_X:14,4           VA_10           MODE: asynchronous           USER_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s           No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 57,6		
AIU_RATE: 28,8         TCH_FX_X:14,4         VA_10         MODE: asynchronous         USER_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s         No_TCH: 4         AIU_RATE: 38,8         TCH_FX_X: 9,6         VA_11         MODE: asynchronous         USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         FNU_RATE: 57,6		
TCH_FX_X:14,4           VA_10         MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X: 9,6           VA_11         MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6		
VA_10         MODE: asynchronous           USER_RATE: 38,4 kbit/s         FNU_RATE: 38,4 kbit/s           FNU_RATE: 38,4 kbit/s         No_TCH: 4           AIU_RATE: 38,8         TCH_FX_X: 9,6           VA_11         MODE: asynchronous           USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s           No_TCH: 4         AIU_RATE: 57,6		
USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X: 9,6 VA_11 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6	VA 10	
FNU_RATE: 38,4 kbit/s         No_TCH: 4         AIU_RATE: 38,8         TCH_FX_X: 9,6         VA_11         MODE: asynchronous         USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s         No_TCH: 4         AIU_RATE: 48,0 kbit/s         No_TCH: 4         AIU_RATE: 57,6	· · · · <u>·</u> · · ·	
No_TCH: 4           AIU_RATE: 38,8           TCH_FX_X: 9,6           VA_11           MODE: asynchronous           USER_RATE: 48,0 kbit/s           FNU_RATE: 48,0 kbit/s           No_TCH: 4           AIU_RATE: 57,6		
AIU_RATE: 38,8 TCH_FX_X: 9,6 VA_11 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6		
TCH_FX_X: 9,6           VA_11         MODE: asynchronous           USER_RATE: 48,0 kbit/s         FNU_RATE: 48,0 kbit/s           No_TCH: 4         AIU_RATE: 57,6		
VA_11 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6		
USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6	VA 11	
FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6	-	
No_TCH: 4 AIU_RATE: 57,6		
AIU_RATE: 57,6		
		TCH_FX_X: 14,4

#### 7.3.1.2 Unsuccessful

## Unsuccessful Speech

GISP_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsucces	sful/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	NOTE: Some ISDNs provide	announcements instead of sending cause value #1.

GISP_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Speech
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GI SP U03	ISDN ref. to:	PLMN ref. to:
GIGI003		
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], H.1.7
		TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsucces	ssful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
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".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

GISP_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GISP_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.1.9, 5.3.2, and	EN 300 940 [59], clauses 5.2.1 and H.1.9
	annex M	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
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.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

GI SP U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2,	EN 300 940 [59], clause H.5.3
	annex M;	
	EN 300 940 [59], clause B.3.2	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessfu	l/Speech
ISDN selection	Bearer service speech	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

GI SP U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsucces	sful/Speech
ISDN selection	Bearer service speech	
criteria:		
PLMN selection	TS 11	
criteria:		
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.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

#### Unsuccessful 3,1 kHz audio ex PLMN

GIAU_U01	ISDN ref. to:	PLMN ref. to:
	300 403-1 [1], clause 5.2.1	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/3,1 kHz audio ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	NOTE: Some ISDNs provide ar	nnouncements instead of sending cause value #1.

GIAU_U02	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.2.5.3	EN 300 940 [59], clause H.1.6	
TSSreference:	GSM-ISDN/Basic_call/Unsuccess	ul/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	Audio		
criteria:			
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.		
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])		
values:	b) BC=3,1 kHz audio (ETS 300 102-1)		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
values:			
Comments:		According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to the	GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GIAU_U03	ISDN ref. to : PLMN ref. to:	
	EN 300 403-1 [1], clause 5.2.5.4. EN 300 940 [59], clause H.1.7	
	TS 100 974 [74], clauses 18.2 and 18.3.2	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 " no user responding".	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN	
values:		
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GIAU_U04	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clause 5.2.5.4. EN 300 940 [59], clause H.1.8	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN	
values:		
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GIAU_U05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 5.3.2, annex M	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 k	Hz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio		
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.		
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.		

GIAU_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.2, annex M	EN 300 940 [59], clauses B.3.2 and
		H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audi	o ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "incompatible destination", the	
	network transport the cause value to the calling user.	
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])	
values:	b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values:		
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC	
	shall not be mapped to the octets 5a, 5b, 5c and 5	5d in the ISDN-BC.

GIAU_U07	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5		
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/3,1 kHz audio ex PLMN		
ISDN selection	Bearer service 3,1 kHz audio			
criteria:				
PLMN selection	Audio			
criteria:				
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.			
ISDN parameter	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1])			
values:	b) BC=3,1 kHz audio (ETS 300 102-1)			
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem			
values:				
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the			
	GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.			

## Unsuccessful UDI

GIUD_U01	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1 [1], clause 5.1.4	EN 300 940 [59], clause H.1.1		
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/UDI		
ISDN selection	Bearer service UDI			
criteria:				
PLMN selection	UDI			
criteria:				
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".			
ISDN parameter				
values:				
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption			
values:				
Comments:				

GIUD_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.4	EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transport the cause value to the calling user.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

GIUD_U03	ISDN ref. to :	PLMN ref. to:		
	EN 300 403-1 [1], clause 5.2.5.4	EN 300 940 [59], clause H.1.7		
		TS 100 974 [74], clauses 18.2 and 18.3.2		
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/UDI		
ISDN selection	Bearer service UDI			
criteria:				
PLMN selection	UDI	UDI		
criteria:				
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".			
ISDN parameter	BC=UDI with V.110/X.30 rate adaption			
values:				
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption			
values:				
Comments:				

GIUD_U04	ISDN ref. to: EN 300 403-1 [1], clause 5.2.5.4	PLMN ref. to: EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessfu	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC=UDI with V.110/X.30 rate adap	tion
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

GIUD_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.3, annex M	EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
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.	
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	
values:		
Comments:		

GIUD_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.3, annex M	EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the called user is not com COMPLETE message indicating cause valu network transport the cause value to the cal	ie #88 "incompatible destination ", the
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption	n
values:		
Comments:		

GI UD U07	ISDN ref. to:	PLMN ref. to:
GI0D007		
	EN 300 403-1 [1], clause 5.3, annex M	EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	Ensure that when the calling user clears	with cause value #16 "normal call clearing"
	before answer from called user, the netw	ork transport the cause value to the called user.
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adapt	otion
values:		
Comments:		

## Unsuccessful

## Facsimile group 3

GIFX_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsucces	ssful/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:	NOTE: Some ISDNs provide	announcements instead of sending cause value #1.

GI FX U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.1	EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Facsimile G3
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile	9 G2/G3
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GIFX_U03	ISDN ref. to:         PLMN ref. to:           EN 300 403-1 [1], clause 5.2.5.4         EN 300 940 [59], clause H.1.7
	TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3
ISDN selection	Telefax G3 terminals
criteria:	
PLMN selection	TS 62
criteria:	
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3
values:	
PLMN parameter	GSM-BC=facsimile G3
values:	
Comments:	

GIFX_U04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.4	EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile	G2/G3
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

GIFX_U05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.1.9, 5.3.2,	EN 300 940 [59], clauses 5.2.1 and H.1.9
	annex M	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsi	mile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
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.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

GI FX U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.2, annex M	EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsin	nile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

GIFX_U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
		e network transport the cause value to the called user.
ISDN parameter	BC=3,1 kHz audio, HLC=Facsimile	G2/G3
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

# Unsuccessful Alternate speech and facsimile group 3

GIAF_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
ISDN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter		
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=Facsimile G3	
Comments:	NOTE: Some ISDNs provide a	nnouncements instead of sending cause value #1.

GIAF_U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.1	EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Alternate speech and facsimile G3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:		s busy (UDUB) and responds with RELEASE #17 "user busy", the network transports the cause
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=Facsimile G3	
Comments:		

GIAF_U03	ISDN ref. to:         PLMN ref. to:           EN 300 403-1 [1], clause 5.2.5.4         EN 300 940 [59], clause H.1.7           TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3
ISDN selection criteria:	Bearer service 3,1 kHz audio
PLMN selection criteria:	TS 61
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".
ISDN parameter values:	BC=3,1 kHz audio, no HLC
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3
Comments:	

GIAF_U04	ISDN ref. to:	PLMN ref. to:	
TSSreference:		EN 300 403-1 [1], clause 5.2.5.4 EN 300 940 [59], clause H.1.8 GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection	Bearer service 3,1 kHz audio		
criteria:			
PLMN selection	TS 61		
criteria:			
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".		
ISDN parameter	BC=3,1 kHz audio, no HLC		
values:			
PLMN parameter	first GSM-BC=speech		
values:	second GSM-BC=Facsimile G3		
Comments:			

GI AF U05	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1 [1], clauses 5.1.9, EN 300 940 [1], clauses 5.1 and H.1.9	
	5.3.2, annex M	
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
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.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=Facsimile G3	
Comments:		

GIAF_U06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.2, annex M	EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alter	nate speech and facsimile G3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=Facsimile G3	
Comments:		

GIAF_U07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], annex M	EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Alternate speech and facsimile group 3
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	TS 61	
criteria:		
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.	
ISDN parameter	BC=3,1 kHz audio, no HLC	
values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=Facsimile G3	
Comments:		

## Unsuccessful

### Emergency Calls

GI EC U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessf	ul/Emergency Calls
ISDN selection	Emergency service; bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:		

GI EC U02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.2.5.4	EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessfu	Il/Emergency Calls
ISDN selection	Emergency service; bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no answer from user (user alerted)".	
ISDN parameter	BC=speech	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=s	peech
values:		
Comments:		

#### 7.3.2 Test purposes for GSM-ISDN Supplementary services

### Supplementary Services

GIXXSSCLIP01	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1 [7]	EN 300 940 [59], clause 9.3.23.2
	EN 300 403-1 [1], clauses 4.5.10	TS 100 542 [91], clause 1
	and 4.5.11	EN 300 951 [62], clause 1
TSSreference:	GSM-ISDN/Supplementary_servic	es/Speech/CLIP
ISDN selection	The called user is provided with C	LIP
criteria:		
PLMN selection	CLIP	
criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the	
	Calling party number and Calling party subaddress information elements are correctly	
	delivered to the called (served) user.	
ISDN parameter	BC=I_BC_ID	
values:	Calling party number: PI=PA TON=national/international number SI=NP	
	NPI=ISDN/Telephony numbering plan	
PLMN parameter	GSM-BC=G_BC_ID, Calling party subaddress	
values:		
Comments:		

GI xxSSCLIP02	ISDN ref. to:	PLMN ref. to:
	EN 300 092-1 [7], clause 9.3	EN 300 940 [59], clause 9.3.23.2
	EN 300 403-1 [1], clause 4.5.10	TS 100 542 [91], clause 1
		EN 300 951 [62], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/Speech/CLIP
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIP	
criteria:		
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.	
ISDN parameter	BC=I_BC_ID	
values:	Calling party number: PI=PA TON=national/international number SI=NP	
	NPI=ISDN/Telephony numbering plan	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSSCLIR01	ISDN ref. to: EN 300 093-1 [8] EN 300 092-1/A2 [92], figure 2	PLMN ref. to: EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 2 EN 300 951 [62], clause 2
TSSreference:	GSM-ISDN/Supplementary_servic	
ISDN selection criteria:	The called user is provided with Cl	IP
PLMN selection criteria:	CLIR	
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 information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter	BC=I_BC_ID	
values:	Calling party number: PI=PR TON=NP I=unknown SI=NP	
PLMN parameter	GSM-BC=G_BC_ID, Calling party	subaddress
values:		
Comments:		

GIXXSSCLIR02	ISDN ref. to: EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	PLMN ref. to: EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 2 EN 300 951 [62], clause 2	
TSSreference:	GSM-ISDN/Supplementary_servi		
ISDN selection criteria:	The called user is provided with C	The called user is provided with CLIP	
PLMN selection criteria:	CLIR		
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 information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.		
ISDN parameter	BC=I_BC_ID		
values:	Calling party number: PI=PR TON=NP I=unknown SI=NP		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIXXSSCOLP01	ISDN ref. to:	PLMN ref. to:
	EN 300 097-1 [9], clause 9.5.1	EN 300 940 [59], clause 9.3.5.2
		TS 100 542 [91], clause 3
		EN 300 951 [62], clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/Speech/COLP
ISDN selection	COLP	
criteria:		
PLMN selection	The calling user is provided with C	DLP
criteria:		
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the	
	Connected number and Connected subaddress information elements are correctly	
	delivered to the calling (served) user.	
ISDN parameter	Connected subaddress number	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	Connected number PI=PA, SI=UPVP, TON=national/international number,	
	NPI=ISDN/Telephony numbering p	lan (ITU-T Recommendations E.164 [37]/E.163 [106])
	Connected subaddress number	
Comments:		

GIXXSSCOLP01	ISDN ref. to:	PLMN ref. to:
	EN 300 097-1 [9], clause 9.5.1	EN 300 940 [59], clause 9.3.5.2
		TS 100 542 [91], clause 3
		EN 300 951 [62], clause 3
TSSreference:	GSM-ISDN/Supplementary_servic	es/Speech/COLP
ISDN selection	COLP	
criteria:		
PLMN selection	The calling user is provided with C	OLP
criteria:		
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	Connected number: SI=NP PI=PA TON=national/international number,	
	NPI=ISDN/Telephony numbering p	blan (ITU-T Recommendations E.164 [37]/E.163 [106])
Comments:		

GIXXSSCOLR01	ISDN ref. to:	PLMN ref. to:	
	EN 300 098-1 [10]	EN 300 940 [59], clause 9.3.5.2	
	clauses 9.3.1 and 9.4.1	TS 100 542 [91], clause 3	
	EN 300 092-1/A2 [92], figure 4	EN 300 951 [62], clause 3	
TSSreference:	GSM-ISDN/Supplementary_services/COLR		
ISDN selection	COLR		
criteria:			
PLMN selection	The calling user is provided with COLP		
criteria:	<b>.</b> .		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.		
	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.		
ISDN parameter		· -	
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown		
Comments:			

GIxxSSCUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11] clauses 9.2.2 and 9.2.4	TS 100 546 [57] TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection	Calling user and called user belong to the <b>same</b> CUG;	
criteria:	CUG supplementary options: IA; not ICB	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG	
criteria:		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter		all invoke component: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter		-Info: CUG Index (CI); Suppress Pref. CUG
values:	(SPC);Suppress OA (SOA)	
Comments:		

GI xxSSCUG02	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 546 [57]
	clauses 9.2.2 and 9.2.4	TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_servic	es/CUG
ISDN selection	The called user belongs to the sar	ne CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message <b>with</b> a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter	BC=speech; Facility IE with cUGC	all invoke component: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter	GSM-BC=G_BC_ID, ForwardCUG-Info: CUG Index (CI);	
values:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
Comments:		

GIXXSSCUG03	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 546 [57]
	clauses 9.2.2 and 9.2.4	TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_service	es/CUG
ISDN selection	The called user belongs to the same	e CUG with the following CUG supplementary
criteria:	options: IA; not ICB	
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID, ForwardCUG	-Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

GIXXSSCUG04	ISDN ref. to: EN 300 138-1 [11] clauses 9.2.2 and 9.2.4 ITU-T Recommendation Q.735.1 [111]	PLMN ref. to: TS 100 546 [57] TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection	The called user belongs to CUG with the following CUG	supplementary options: IA; ICB
criteria:		
PLMN selection	The calling user belongs to the same CUG with the follo	wing CUG supplementary
criteria:	options: OA; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (C	CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

GIXXSSCUG05	<b>ISDN ref. to:</b> EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	PLMN ref. to: TS 100 546 [57] TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to the same CUG with th options: <b>IA; not ICB</b>	e following CUG supplementary
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>with</b> a Facility IE.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: Suppr	ess Pref. CUG (SPC);
Comments:		

GIxxSSCUG06	ISDN ref. to:         PLMN ref. to:           EN 300 138-1 [11], clause 9.2.2         TS 100 546 [57]           TS 100 569 [65]         TS 100 569 [65]	
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection	The called user is not a CUG subscriber	
criteria:		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message <b>without</b> a Facility IE.	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values:	Suppress Pref. CUG (SPC);	
Comments:		

GI xxSSCUG07	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clause 9.2.3	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_service	s/CUG
ISDN selection	The called user belongs to CUG wit	h the following CUG supplementary options: <b>not IA</b> ;
criteria:	not ICB	
PLMN selection	The calling user is not member of C	UG
criteria:		
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #"87 user not a member of CUG".	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSSCUG08	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clause 9.2.2	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_service	ces/CUG
ISDN selection	The called user is not member of	CUG
criteria:		
PLMN selection	The calling user belongs to a CUG	G with the following CUG supplementary options: <b>not</b>
criteria:	OA; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
ISDN parameter values:		
PLMN parameter	GSM-BC=G BC ID; ForwardCUG	G-Info: CUG Index (CI);
values:	/	
values.	Suppress Pref. CUG (SPC);	
-	Suppress OA (SOA);	
Comments:		

GIxxSSCUG09	<b>ISDN ref. to:</b> EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	PLMN ref. to: TS 100 546 [57] TS 100 569 [65]	
TSSreference:	GSM-ISDN/Supplementary_services/CUG		
ISDN selection criteria:	The called user belongs to the same CUG with options: not IA; ICB	The called user belongs to the <b>same</b> CUG with the following CUG supplementary options: <b>not IA: ICB</b>	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ; not ocb; not Pref. CUG		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".		
ISDN parameter values:			
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CU Suppress Pref. CUG (SPC);	G Index (CI);	
Comments:			

GIxxSSCUG10	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	TS 100 546 [57]
		TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection	Calling user and called user belong to the same C	JG;
criteria:	CUG supplementary options: not IA; not ICB	
PLMN selection	CUG supplementary options: not OA; not OCB; not	ot Pref. CUG
criteria:		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CU not outgoing calls barred within the CUG within the the <b>called</b> user belongs to the same CUG with inco- incoming calls barred within the CUG, after the rec Facility IE which shall contain a ForwardCUG-Info- the called user receives a SETUP message with a invoke component encoded as "Outgoing access w sends an ALERTING or CONNECT message.	CUG and not preferential CUG and oming access not allowed and not eipt of a SETUP message with the with CUG Index (CI), Facility IE which contains a cUGCall vith default value, CUG index" and
ISDN parameter	BC=speech; Facility IE with cUGCall invoke compo	nent: "Outgoing access with default
values:	value, CUG index"	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Inc	dex (CI).
values:		
Comments:		

GIxxSSSUB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 061-1 [12], clause 9.2	EN 300 940 [59], clause 9.3.23.1.5	
	EN 300 403-1 [1], clause 4.5.9		
TSSreference:	GSM-ISDN/Supplementary_servic	es/SUB	
ISDN selection	SUB		
criteria:			
PLMN selection	SUB		
criteria:			
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user		
ISDN parameter	BC=speech, Called party subaddress		
values:			
PLMN parameter	GSM-BC=G_BC_ID Called party subaddress		
values:			
Comments:			

GIxxSSSUB02	ISDN ref. to: EN 300 061-1 [12], clause 9.2 EN 300 403-1 [1], clause 4.5.9	<b>PLMN ref. to:</b> EN 300 940 [59], clause 9.3.23.1.5
TSSreference:	GSM-ISDN/Supplementary_service	es/SUB
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party 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	
ISDN parameter values:	BC=I_BC_ID, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID, Called party subaddress	
Comments:		

	ICDN ref. to:	PLMN ref. to:		
GIGxxSSCFU01	ISDN ref. to:			
	EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	ETS 300 566 [112], clause 1		
		ETS 300 543 [55], clause 1		
TSSreference:	GSM-ISDN/Supplementary_services/CFU			
ISDN selection	The user B is in network N2 and is provided v	vith CFU("calling user is notified of call		
criteria:	diversion"=Yes, with diverted-to number, "div	erting number is released to the		
	diverted-to user"=Yes, "served user receives	notification that the call has been		
	forwarded"=Yes).			
PLMN selection	Call to a forwarding subscriber (CFU)			
criteria:				
Test purpose:	Ensure that when user A calls user B, the call	is forwarded to user C.		
	User A is notified with a FACILITY (Invoke=N	otifySS[CFU, SS-Notification]) message,		
	user C is notified with a FACILITY IE (Invoke	user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call		
	diversion.			
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the			
	telecommunications service information, user-to-user information, served user B's			
	subaddress and the calling party A's address.			
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is			
	performed correctly if tones/announcement are applied.			
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is			
	performed correctly.			
ISDN parameter	CFUactive			
values:				
PLMN parameter	GSM-BC=G_BC_ID			
values:				
Comments:				

GIGxxSSCFU02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1
	and 9.2.5	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:		mber, "diverting number is released to the diverted-to
	user"=No, "served user receives n	otification that the call has been forwarded"=No).
PLMN selection	Call to a forwarding subscriber (CF	EU)
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.	
	User A and B are not notified and C is notified of call diversion with a	
	FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) contained in a SETUP message.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSCFU03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1
	and 9.2.5	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection	The user B is in network N2 and is	provided with CFU("calling user is notified of call
criteria:	diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user " <b>=Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message, user <b>C</b> is notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) included in the incoming SETUP message from the network. User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSCFU04	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 1	
		ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFU	
ISDN selection criteria:	The user B is in network N2. Parti user is Notified of call diversion"=	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of CFU("calling user is Notified of call diversion"= <b>Yes</b> )	
PLMN selection criteria:		Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFU- partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIGxxSSCFU05	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 1           ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU	
criteria:	("calling user is Notified of call diversion"=No)	
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is <b>not</b> notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFU- partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFU01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2 ETS 300 566 [11	
	and 9.2.5 ETS 300 543 [55	], clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection	The user B is in network N2 and is provided with CF	U("calling user is notified of call
criteria:	diversion"=Yes, with diverted-to number, "diverting n	umber is released to the
	diverted-to user "=Yes, "served user receives notification	ation that the call has been
	forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forw	arded to user C.
	User <b>A</b> is notified of call diversion.	
	User <b>B</b> is notified of call diversion.	
	User <b>C</b> receives the reason for call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

GIIxxSSCFU02	ISDN ref. to: EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	PLMN ref. to: ETS 300 566 [112], clause 1 ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_servic		
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to user"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).		
PLMN selection criteria:	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion. User B is not notified of call diversion. User C should not be informed of the forwarding number. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFUactive		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIIxxSSCFU03	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1	
	and 9.2.5	ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to nu	umber, "diverting number is released to the diverted-to	
	user "=Yes, "served user receives	notification that the call has been forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CFU)	
criteria:			
Test purpose:	To verify that a call is released correctly if CFUwas not successful.		
	User A calls termination B, the call is forwarded to user C who is user determined user		
	busy.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSSCFU04	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 1	
		ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU("calling	
criteria:	user is Notified of call diversion"=Y	es)	
PLMN selection criteria:	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFU- partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSSCFU05	EN 300 207-1 [17], clause 10.5	PLMN ref. to: ETS 300 566 [112], clause 1
		ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFU
criteria:	("calling user is Notified of call diver	rsion"= <b>No)</b>
PLMN selection	Call to a forwarding subscriber (CF	U)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFU- partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFU01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1	
	and 9.2.5	ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU	
ISDN selection	The user B is in network N2 and is	provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to nu	imber, "diverting number is released to the diverted-to	
		notification that the call has been forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	·U)	
criteria:	- · · ·		
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User <b>A</b> is notified with a FACILITY	(Invoke=NotifySS[CFU, SS-Notification]) message.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address.		
	User <b>C</b> receives the reason for call diversion		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

GIPxxSSCFU02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1
	and 9.2.5	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:	diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to user"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	U)
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIP xxSSCFU03	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2		
	and 9.2.5	ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		umber, "diverting number is released to the diverted-to	
	user "=Yes, "served user receives	user "=Yes, "served user receives notification that the call has been forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CFU)		
criteria:			
Test purpose:	To verify that a call is released correctly if CFU was not successful.		
	User A calls user B, the call is forwarded to user C who is busy.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIPxxSSCFU04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 1
		ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion"=Y	íes)
PLMN selection	Call to a forwarding subscriber (CF	EU)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFU- partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFU05	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 1           ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU("calling	
criteria:	user is Notified of call diversion"=No)	
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFU- partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU xxSSCFU01	ISDN ref. to:	PLMN ref. to:
GI0		
	EN 300 207-1 [17], clauses 9.2.2	
700 (	and 9.2.5	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFU("calling user is notified of call
criteria:	diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to	
	user "=Yes, "served user receives	notification that the call has been forwarded"=Yes).
PLMN selection	Call to a forwarding subscriber (CF	:U)
criteria:		
Test purpose:	Ensure that when user A calls user	
		(Invoke=NotifySS[CFU, SS-Notification]) message, IE (Invoke=NotifySS[CFU,SS-Notification]) of call
	diversion.	
	User <b>B</b> is notified of call diversion v	with a FACILITY message (DCR) about the
	telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
		(N10) the voice/data transfer on the B-channels is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUxxSSCFU02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2	ETS 300 566 [112], clause 1
	and 9.2.5	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:	diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to user"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUxxSSCFU03		PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2 E	
	and 9.2.5 E	ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_services	S/CFU
ISDN selection	The user B is in network N2 and is pl	rovided with CFU("calling user is notified of call
criteria:	diversion"=Yes, with diverted-to num	ber, "diverting number is released to the diverted-to
	user "=Yes, "served user receives no	otification that the call has been forwarded"=Yes).
PLMN selection	Call to a forwarding subscriber (CFU	
criteria:		
Test purpose:	To verify that a call is released correctly if CFU was not successful.	
	User A calls user B, the call is forwar	rded to user C who is user determined user busy.
	User A is notified with a FACILITY (I	nvoke=NotifySS[CFU, SS-Notification]) message,
	user C is notified of call diversion wit	h a FACILITY IE (Invoke=NotifySS[CFU,SS-
	Notification]) included in the incoming SETUP message from the network.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUxxSSCFU04	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 1           ETS 300 543 [55], clause 1	
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU("calling	
criteria:	user is Notified of call diversion"=Yes)	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFU- partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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GIUxxSSCFU05	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 1
		ETS 300 543 [55], clause 1
TSSreference:	GSM-ISDN/Supplementary_servic	
ISDN selection criteria:	The user B is in network N2. Partial user is Notified of call diversion"=N	al rerouting provided in PTNX in case of CFU("calling
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is <b>not</b> notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFU- partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSCFB01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-UDUB ("calling user is notified of
criteria:	call diversion"=Yes, with diverted-t	o number, "diverting number is released to the
		er receives notification that the call has been
	forwarded"=Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	B)
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call diversion. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIGxxSSCFB02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of
criteria:	call diversion"=No, with diverted-to	number, "diverting number is released to the
	diverted-to User"=No, "served user	receives notification that the call has been
	forwarded"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ?GSM-BC=G_BC_ID	
Comments:		

GIGxxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB("calling user is notified of
criteria:		o number, "diverting number is released to the
	diverted-to user "=Yes, "served use	er receives notification that the call has been
	forwarded"=Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	В)
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call diversion. User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIG xxSSCFB04	ISDN ref. to:	PLMN ref. to:
GIG_XX33CFB04		
	EN 300 207-1 [17], clauses 9.2.2,	
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>NDUB</b> ("calling user is notified of
criteria:	call diversion"=No, with diverted-to	number, "diverting number is released to the
		receives notification that the call has been
	forwarded"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke=NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIGxxSSCFB05	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5 ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to	
	User"=Yes, "served user receives notification that the call has been forwarded"	
	=Yes).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is user determined user busy.	
ISDN parameter	CFB active, User B is in the UDUB condition	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ?GSM-BC=G_BC_ID	
Comments:	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,	
	user <b>C</b> is notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFB,SS-	
	Notification]) included in the incoming SETUP message from the network.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	

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GIGxxSSCFB06	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 2		
		ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_service	ces/CFB		
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-NDUB		
criteria:	("calling user is Notified of call dive	ersion"= <b>Yes</b> , with diverted-to number).		
	Ensure that in the call delivered st	ate (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/annou			
		(N10) the voice/data transfer on the B-channels is		
	performed correctly.			
PLMN selection	Call to a forwarding subscriber (CFB)			
criteria:	<b>~ ~ / /</b>			
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from			
	the private network (NT2) and performs rerouting towards the indicated address (user			
	C).			
	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of			
	call diversion.			
ISDN parameter	CFB - partial rerouting			
values:				
PLMN parameter	GSM-BC=G_BC_ID			
values:				
Comments:				

GIG xxSSCFB07	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 2
		ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_servic	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion"= <b>No</b> ).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	the private network (NT2) and perf C). User <b>A</b> is <b>not</b> notified with a FACII message. Ensure that in the call delivered st performed correctly if tones/annou Ensure that in the active call state performed correctly.	twork acts on the call rerouting invocation request from forms rerouting towards the indicated address (user _ITY (Invoke=NotifySS[CFB, SS-Notification]) ate (N4) the transfer of tone on the B-channel is ncement are applied. (N10) the voice/data transfer on the B-channels is
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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GIGxxSSCFB08	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 2
		ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call dive	ersion"= <b>Yes</b> , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of	
	call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSCFB09	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call diversion"=No).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFB01	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5 ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion"=Yes, with diverted-to number, "diverting number is released to the	
	diverted-to user "=Yes, "served user receives notification that the call has been	
	forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user C is informed of the reason for diversion. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSSCFB02	ISDN ref. to: EN 300 207-1 [17], clauses 9.2.2,	PLMN ref. to: ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection criteria:	The user B is in network N2 and is provided with CFB- <b>UDUB</b> ("calling user is notified of call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is not informed of the reason for diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFB03	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clauses 9.2.2,         ETS 300 566 [112], clause 2           9.2.4.3 and 9.2.5         ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_services/CFB		
ISDN selection	The user B is in network N2 and is provided with CFB-NDUB("calling user is notified of		
criteria:	call diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user "= <b>Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user C is informed of the reason for diversion. User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIIxxSSCFB04	ISDN ref. to:	PLMN ref. to:		
	EN 300 207-1 [17], clause 9.2.2,	ETS 300 566 [112], clause 2		
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFB		
ISDN selection	The user B is in network N2 and is	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of		
criteria:	call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).			
PLMN selection criteria:	Call to a forwarding subscriber (CF	Call to a forwarding subscriber (CFB)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion, and C is not informed of the reason for diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.			
ISDN parameter values:	CFB active			
PLMN parameter values:	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID		
Comments:				

GIIxxSSCFB05	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5 ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria:	diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is user determined user busy.	
ISDN parameter	CFB active, User B is in the UDUB condition	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,	
	user <b>C</b> is notified of call diversion with a FACILITY IE	
	(Invoke=NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from	
	the network.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	

GIIxxSSCFB06	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_services/CFB		
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-NDUB</b> ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB - partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIIxxSSCFB07	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 2	
		ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB		
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-NDUB		
criteria:	("calling user is Notified of call dive	ersion"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
Test purpose:	User A calls user B. The public net	work acts on the call rerouting invocation request from	
	the private network (NT2) and perf	orms rerouting towards the indicated address (user	
	C).		
	User A is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification])		
	message.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB - partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSSCFB08	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call diversion"=Yes, with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFB09	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-UDUB</b> ("calling user is Notified of call diversion"= <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIPxxSSCFB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB	
ISDN selection		provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user " <b>=Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			

GIPxxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,		
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB	
ISDN selection	The user B is in network N2 and is	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of	
criteria:	call diversion"=No, with diverted-to	number, "diverting number is released to the	
	diverted-to User"=No, "served user	receives notification that the call has been	
	forwarded"= <b>No</b> ).		
PLMN selection	Call to a forwarding subscriber (CFB)		
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.		
	User A and B are not notified of the forwarding number.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIPxxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB-NDUB("calling user is notified of
criteria:	call diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user " <b>=Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFB04	EN 300 207-1 [17], clauses 9.2.2,	<b>PLMN ref. to:</b> ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB- <b>NDUB</b> ("calling user is notified of call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIPxxSSCFB05	ISDN ref. to: PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2, ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5 ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to	
	User"=Yes, "served user receives notification that the call has been forwarded"	
	=Yes).	
PLMN selection	Call to a forwarding subscriber (CFB)	
criteria:		
Test purpose:	To verify that a call is released correctly if CFB was not successful.	
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user	
	C who is busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,	
	user <b>C</b> is notified of call diversion with a FACILITY IE	
	(Invoke=NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from	
	the network.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	

GIPxxSSCFB06	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_services/CFB		
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-NDUB</b> ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB - partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIPxxSSCFB07	ISDN ref. to: PLMN ref. to:		
	EN 300 207-1 [17], clause 10.5 ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2		
TSSreference:	GSM-ISDN/Supplementary_services/CFB		
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-NDUB		
criteria:	("calling user is Notified of call diversion"= <b>No</b> ).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is <b>not</b> notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB - partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIPxxSSCFB08	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clause 10.5	ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-UDUB</b> ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIPxxSSCFB09	ISDN ref. to:         PLMN ref. to:           EN 300 207-1 [17], clause 10.5         ETS 300 566 [112], clause 2           ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB-UDUB	
criteria:	("calling user is Notified of call diversion"=No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIUxxSSCFB01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"=Yes, with diverted-to	o number, "diverting number is released to the	
	diverted-to user "=Yes, "served use	er receives notification that the call has been	
	forwarded"=Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:		, ,	
Test purpose:	Ensure that when user A calls busy	v user B, the call is forwarded to user C.	
	User <b>A</b> is notified with a FACILITY	(Invoke=NotifySS[CFB, SS-Notification]) message,	
	user <b>C</b> is notified with a FACILITY	E (Invoke=NotifySS[CFB,SS-Notification]) of call	
	diversion.		
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	A: ! GSM-BC=G_BC_ID		
values:	C: ? GSM-BC=G_BC_ID		
Comments:			

GIUxxSSCFB02	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB	
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> , "served user receives notification that the call has been		
	forwarded"= <b>No</b> ).		
PLMN selection criteria:	Call to a forwarding subscriber (CFB)		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFB active		
values:			
PLMN parameter	A: ! GSM-BC=G_BC_ID		
values:	C: ?GSM-BC=G_BC_ID		
Comments:			

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GIUxxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>NDUB</b> ("calling user is notified of
criteria:	call diversion"=Yes, with diverted-to	o number, "diverting number is released to the
	diverted-to user "=Yes, "served use	er receives notification that the call has been
	forwarded"=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:	J J	,
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.
		(Invoke=NotifySS[CFB, SS-Notification]) message,
	user <b>C</b> is notified with a FACILITY I	E (Invoke=NotifySS[CFB,SS-Notification]) of call
	diversion.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information	ation, user-to-user information, served user B's
	subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annour	
		N10) the voice/data transfer on the B-channels is
	performed correctly.	
ISDN parameter	CFB active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIUxxSSCFB04	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/CFB
ISDN selection		provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> , "served user receives notification that the call has been forwarded"= <b>No</b> ).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	В)
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke=NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	A: ! GSM-BC=G_BC_ID C: ? GSM-BC=G_BC_ID	
Comments:		

GIU xxSSCFB05	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2	
	9.2.4.3 and 9.2.5	ETS 300 543 [55], clause 2	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection		provided with CFB ("calling user is notified of call	
criteria:		mber, "diverting number is released to the	
	diverted-to User"=Yes, "served use	er receives notification that the call has been	
	forwarded"		
	=Yes).		
PLMN selection	Call to a forwarding subscriber (CF	B)	
criteria:			
Test purpose:	To verify that a call is released correctly if CFB was not successful.		
	User A calls busy termination B (that one B-channel is free), the call is forwarded to user		
	C who is user determined user busy.		
ISDN parameter values:	CFB active, User B is in the UDUB condition		
PLMN parameter	A: ! GSM-BC=G_BC_ID		
values:	<b>C</b> : ?GSM-BC=G_BC_ID		
Comments:	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,		
	user <b>C</b> is notified of call diversion with a FACILITY IE		
	(Invoke=NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from		
	the network.		
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the		
		telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.		

GIUxxSSCFB06	ISDN ref. to: EN 300 207-1 [17], clause 10.5	PLMN ref. to: ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion"= <b>Yes</b> , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIUxxSSCFB07	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	ETS 300 566, clause 2
		ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_serv	ices/CFB
ISDN selection		tial rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call di	version"= <b>No</b> ).
PLMN selection	Call to a forwarding subscriber (C	CFB)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is <b>not</b> notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUxxSSCFB08	ISDN ref. to: EN 300 207-1, clause 10.5	PLMN ref. to: ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-ISDN/Supplementary_se		
ISDN selection criteria:		The user B is in network N2. <b>Partial rerouting</b> provided in PTNX in case of <b>CFB-UDUB</b> ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber	(CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFB - partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

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GIUxxSSCFB09	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clause 10.5	ETS 300 566, clause 2
		ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_service	ces/CFB
ISDN selection	The user B is in network N2. Part	ial rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call div	ersion"= <b>No)</b> .
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		
Test purpose:	User A calls user B. The public ne	etwork acts on the call rerouting invocation request from
	the private network (NT2) and per	forms rerouting towards the indicated address (user
	C).	
		LITY (Invoke=NotifySS[CFB, SS-Notification]) message
	of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFB - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSCFNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=Y released to the diverted-to user "="	es, with diverted-to number, "diverting number is <b>(es</b> ).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user <b>C</b> is Notified of call diversion w (Invoke=NotifySS[CFNR,SS-Notific from the network. User <b>B</b> is Notified of call diversion	cation]) included in the incoming SETUP message with a FACILITY message (DCR) about the ation, user-to-user information, served user B's

GIGxxSSCFNR02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=N	lo, with diverted-to number, "diverting number is
	released to the diverted-to User"=	No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

GIGxxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive number is released to the diverted-	rsion"= <b>Yes</b> , with diverted-to number, "diverting to user " <b>=Yes</b> ).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User <b>A</b> is Notified with a FACILITY user <b>C</b> is Notified of call diversion v	(Invoke=NotifySS[CFNR, SS-Notification]) message, vith a FACILITY IE
	(Invoke=NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network.	
	User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

GIG xxSSCFNR04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	· · · · · · · · · · · · · · · · · · ·	provided with CFNR (option B, immediate release)
criteria:		rsion"= <b>No</b> , with diverted-to number, "diverting number
	is released to the diverted-to User"	·
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

GIGxxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive number is released to the diverted-	rsion"= <b>Yes</b> , with diverted-to number, "diverting to User"= <b>Yes</b> ).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message, user <b>C</b> is Notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

GIGxxSSCFNR06	ISDN ref. to:	PLMN ref. to:		
	EN 300 403-1, clauses 9.2.2	ETS 300 566, clause 3		
	and 10.5	ETS 300 543, clause 3		
TSSreference:	GSM-ISDN/Supplementary_servic	GSM-ISDN/Supplementary_services/CFNR		
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR			
criteria:	(option A, late release) ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).			
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)			
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.			
ISDN parameter	CFNR - partial rerouting			
values:	_			
PLMN parameter	GSM-BC=G_BC_ID			
values:				
Comments:				

GIG xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clause 9.2.2 and	ETS 300 566, clause 3
	10.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR	
criteria:	(option A, late release) ("calling user is Notified of call diversion"=No).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIGxxSSCFNR08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIG xxSSCFNR09	ISDN ref. to:	PLMN ref. to:
GIGXX33CFINR09		
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR	
criteria:	(option B, immediate release). ("calling user is Notified of call diversion"=No).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFNR01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3	
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_services/CFNR		
ISDN selection	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling		
criteria:	user is Notified of call diversion"=Yes, with diverted-to number, "diverting number is		
	released to the diverted-to user "=Yes).		
PLMN selection	Call to a forwarding subscriber (CFNR)		
criteria:			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message, user C is Notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User B is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User C receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFNR active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSSCFNR02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=N released to the diverted-to User"=N	<ul> <li>o, with diverted-to number, "diverting number is</li> <li>lo).</li> </ul>
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		·
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. User A and user C are not Notified of call diversion Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	ersion"= <b>Yes</b> , with diverted-to number, "diverting
	number is released to the diverted	to user "=Yes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User <b>C</b> receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSSCFNR04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A user B and user C are not Notified of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIXXSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_servi	ices/CFNR
ISDN selection		is provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call div	version"=Yes, with diverted-to number, "diverting
	number is released to the diverte	d-to User"= <b>Yes</b> ).
PLMN selection	Call to a forwarding subscriber (C	CFNR)
criteria:		
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not	
	successful.	
	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who	
	is user determined user busy.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2 and	ETS 300 566, clause 3
	10.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling us	er is Notified of call diversion"=Yes, with diverted-to
	number).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GII xxSSCFNR07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2 and	ETS 300 566, clause 3
	10.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion"= <b>No</b> ).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSSCFNR08	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3	
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFNR	
ISDN selection		al rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling us number).	B, immediate release). ("calling user is Notified of call diversion"=Yes, with diverted-to	
PLMN selection	Call to a forwarding subscriber (CF	NR)	
criteria:			
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFNR - partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

GII xxSSCFNR09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR
criteria:	(option B, immediate release). ("ca	lling user is Notified of call diversion"=No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:	-	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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GIPxxSSCFNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=Y	es, with diverted-to number, "diverting number is
	released to the diverted-to user "="	fes).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFNR02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"= <b>No</b> , with diverted-to number, "diverting number is released to the diverted-to User"= <b>No</b> ).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. User A and user B are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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GIPxxSSCFNR03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion"= <b>Yes</b> , with diverted-to number, "diverting
	number is released to the diverted-	to user " <b>=Yes</b> ).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFNR04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion"= <b>No</b> , with diverted-to number, "diverting number
	is released to the diverted-to User	=No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.
	User A and user B are not Notified of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion"= <b>Yes</b> , with diverted-to number, "diverting
	number is released to the diverted	to User"= <b>Yes</b> ).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user	B, the call is released correctly if CFNR was not
	successful.	
	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who	
	is user determined user busy.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message.	
	User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service inform	ation, user-to-user information, served user B's
	subaddress and the calling party A's address.	
	· · · · · · · · · · · · · · · · · · ·	

GIPxxSSCFNR06	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2 and	ETS 300 566, clause 3	
	10.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR	
ISDN selection		al rerouting provided in PTNX in case of CFNR	
criteria:	(option A, late release) ("calling use number).	(option A, late release) ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFNR - partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

	ISDN ref. to:	DI MNI rof to:
		PLMN ref. to:
	EN 300 403-1, clauses 9.2.2 and	ETS 300 566, clause 3
	10.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion"=No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	<b>.</b>	
Test purpose:	User A calls user B. The public net	work acts on the call rerouting invocation request from
	the private network (NT2) and perfect	orms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FACILI	TY (Invoke=NotifySS[CFNR SS-Notification])
	message of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
	CFNR - partial rerouting	
values:	1 3 3	
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

GIPxxSSCFNR08	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3	
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR	
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option	
criteria:	B, immediate release). ("calling use number).	B, immediate release). ("calling user is Notified of call diversion"=Yes, with diverted-to	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFNR - partial rerouting		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIPXXSSCFNR09	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3	
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CFNR	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR	
criteria:	(option B, immediate release). ("ca	alling user is Notified of call diversion"=No).	
PLMN selection	Call to a forwarding subscriber (CF	FNR)	
criteria:			
Test purpose:	User A calls user B. The public net	twork acts on the call rerouting invocation request from	
	the private network (NT2) and perf	orms rerouting towards the indicated address (user	
	C).		
	User A is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification])		
	message.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFNR - partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

GIUxxSSCFNR01	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=Y released to the diverted-to user "="	es, with diverted-to number, "diverting number is <b>(es)</b> .
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	user <b>C</b> is Notified of call diversion v (Invoke=NotifySS[CFNR,SS-Notified from the network. User <b>B</b> is Notified of call diversion	cation]) included in the incoming SETUP message with a FACILITY message (DCR) about the ation, user-to-user information, served user B's

GIUxxSSCFNR02	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=N	lo, with diverted-to number, "diverting number is
	released to the diverted-to User"=	No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

GIUxxSSCFNR03	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3	
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)	
criteria:	("calling user is Notified of call dive	rsion"=Yes, with diverted-to number, "diverting	
	number is released to the diverted-	to user "=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	NR)	
criteria:			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter values:	CFNR active		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message, user <b>C</b> is Notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFNR,SS- Notification]) included in the incoming SETUP message from the network. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.		

GIUxxSSCFNR04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive	rsion"=No, with diverted-to number, "diverting number
	is released to the diverted-to User"	=No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		and user C is Notified of call diversion with a NR,SS-Notification]) included in the incoming SETUP

GIUxxSSCFNR05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is Notified of call dive number is released to the diverted-	rsion"= <b>Yes</b> , with diverted-to number, "diverting to User"= <b>Yes</b> ).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User <b>A</b> is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message, user <b>C</b> is Notified of call diversion with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User <b>B</b> is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

GIUxxSSCFNR06	ISDN ref. to: PLMN ref. to:	
	EN 300 403-1, clauses 9.2.2 and ETS 300 566, clause 3	
	10.5 ETS 300 543, clause 3	
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR	
criteria:	(option A, late release) ("calling user is Notified of call diversion"= <b>Yes</b> , with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		
	·	

GIU	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2 and	
	10.5	ETS 300 543, clause 3
TSSreference:		<i>i</i>
	GSM-ISDN/Supplementary_service	
ISDN selection		al rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling use	er is Notified of call diversion"= <b>No</b> ).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		,
Test purpose:		work acts on the call rerouting invocation request from
	the private network (NT2) and perf	orms rerouting towards the indicated address (user
	C).	
	User A is not notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification])	
	message of call diversion.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUXXSSCFNR08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option
criteria:	B, immediate release). ("calling use number).	er is Notified of call diversion"= <b>Yes</b> , with diverted-to
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	<b>2</b> (	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIUxxSSCFNR09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2,	ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFNR
criteria:	(option B, immediate release). ("ca	Iling user is Notified of call diversion"=No).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User <b>A</b> is <b>not</b> notified with a FACILITY (Invoke=NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFNR - partial rerouting	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI xxSSHOLD01	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 100 544, clause 2
	EN 300 196-1, clause 7.1	EN 300 953, clause 2
TSSreference:	GSM-ISDN/Supplementary_servic	es/HOLD
ISDN selection	The calling user is provided with H	OLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSSHOLD02	ISDN ref. to:	PLMN ref. to:
	EN 300 141-1, clause 7	TS 100 544, clause 2
	EN 300 196-1, clause 7.1	EN 300 953, clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/HOLD
ISDN selection	The called user is provided with H	OLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSSCW01	ISDN ref. to:	PLMN ref. to:
	EN 300 058-1, clause 7	TS 100 544, clause 1
	EN 300 403-1, clause 4.5.2.1	EN 300 953, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection	The called user is provided with CV	V
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the called ISDN user is	s busy, the called user is notified of the call waiting.
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSCW02	ISDN ref. to:	PLMN ref. to:
01	EN 300 058-1, clause 7	TS 100 544. clause 1
	EN 300 403-1, clause 4.5.2.1	EN 300 953, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CW
ISDN selection	The called user is provided with C	N
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the Waiting call is release	ased at the terminating exchange after timer expired
ISDN parameter	BC=speech	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1i01	ISDN ref. to:	PLMN ref. to:	
	EN 300 286-1, clause 9.1.1.1 and	EN 300 940, clause 10.5.4.25	
	9.1.2.1		
	EN 300 403-1, clause 4.5.30		
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1	
ISDN selection	UUS1i		
criteria:			
PLMN selection	The calling (served) user is provide	The calling (served) user is provided with UUS1 implicit request.	
criteria			
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		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values			
Comments:			

GIxxSSUUS1i02	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.2.1	EN 300 940, clause 10.5.4.25
	EN 300 403-1, clause 4.5.30	
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria		
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.	
ISDN parameter values:	BC=BC=I_BC_ID UI length=32	
PLMN parameter	GSM-BC=G_BC_ID UI length=32	
values		
Comments:		

GIxxSSUUS1i03	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.2.1	EN 300 940, clause 10.5.4.25
	EN 300 403-1, clause 4.5.30	
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria		
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	
ISDN Parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values:		
Comments:		

GIxxSSUUS1i04	ISDN ref. to: EN 300 286-1, clause 9.1.2.2.1a EN 300 403-1	PLMN ref. to: EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_servic	es/UUS1
ISDN selection criteria:	UUS1i	
PLMN 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.	
ISDN parameter values:	BC=BC=I_BC_ID, UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

GIxxSSUUS1i05	PLMN ref. to EN 300 286-1 clause 9.1.2.2.1b EN 300 403-1	PLMN ref. to: EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	d with UUS1 implicit request.
criteria		
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	
ISDN parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

GI xxSSUUS1i06	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 940, clause 10.5.4.25
	EN 300 403-1, clause 7	
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1i
ISDN selection	UUS1i	
criteria:		
PLMN selection	The calling (served) user is provide	ed with UUS1 implicit request.
criteria:		
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that UUI can be discarded by the network without disrupting normal call handling	
ISDN Parameter	BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values:		
Comments:		

GIxxSSUUS1e01	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.1	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	GSM-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>UUS not required</b> " (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	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1e02	<b>ISDN ref. to:</b> EN 300 286-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	PLMN ref. to: EN 300 646-1, clause 6.1.1.4
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as " <b>UUS</b> <b>not required</b> ", 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSUUS1e03	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1, clause 6.1.1.4
	EN 300 403-1, clause 7	
TSSreference:	GSM-ISDN/Supplementary_servic	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as " <b>UUS</b> <b>not required</b> ", 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1e04	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	Destination network rejects explic	it the UUS1 request
criteria:		
Test purpose: ISDN Parameter	Ensure that after explicit request of UUS1 indicating " <b>UUS not</b> required", the destination <b>network</b> rejects <b>explicit</b> 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. BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	called user cannot support service "service 1 not provided" indication	btained the knowledge that the network itself or the 1 and it was explicitly requested as non-essential, a is returned in the user-to-user indicators parameter in s, answer, connect, or release messages.

GIxxSSUUS1e05	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	ces/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>UUS required</b> " (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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIxxSSUUS1e06	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_servic	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", if the called user rejects the call with a RELEASE COMPLETE message indicating cause value #29 "facility rejected", the network transport the cause value to the calling user. A UUS1 rejection with Error value "rejectedByUser" shall be included in the message. The calling network shall include the cause value and the error value received from the called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1e07	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", 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 Called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1e08	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_servic	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", the called network receives an CONNECT 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 called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIxxSSUUS1e09	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	Called network does not receive a	n explicit service 1 acceptance
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS1e10	ISDN ref. to: EN 300 286-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	PLMN ref. to: EN 300 646-1	
TSSreference:	GSM-ISDN/Supplementary_servic	es/UUS1e	
ISDN selection criteria:	UUS1e	UUS1e	
PLMN selection criteria:			
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", and the called network already has obtained knowledge that <b>the network itself cannot support</b> service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIxxSSUUS201	EN 300 286-1, clause 9.2.2.1	PLMN ref. to: EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	s/UUS2
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIXXSSUUS202	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.2.1.2	EN 300 646-1
		TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS2
ISDN selection	UUS 2e, point-to-point configuration	n
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", if the network does not receive 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 a ALERTING message sent from the network and the call can be established.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSSUUS203	PLMN ref. to: TS 124 087 TS 123 087	
TSSreference:	GSM-ISDN/Supplementary_services/UUS2	
ISDN selection	UUS 2e, point-to-point configuration	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
ISDN Parameter	GSM-BC=G_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIxxSSUUS204	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.1.1.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS2
ISDN selection	UUS 2e, point-to-point configuratio	n
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:		ed with UUS2 explicit request as " <b>UUS not required"</b> 2 implicit network rejection can be correctly handled.
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GG xxSSUUS205	PLMN ref. to:
GGXX33003205	
	TS 124 087
	TS 123 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS2
ISDN selection	UUS 2e, point-to-point configuration
criteria:	
PLMN selection	
criteria:	
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS required</b> ", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.
ISDN Parameter	GSM-BC=G_BC_ID
values:	
PLMN parameter	GSM-BC=G_BC_ID
values:	
Comments:	

GGxxSSUUS206	PLMN ref. to: TS 124 087	
	TS 123 087	
TSSreference:	GSM-ISDN/Supplementary_services/UUS2	
ISDN selection	UUS 2e, point-to-point configuration	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating <b>"UUS required</b> ", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
ISDN Parameter	GSM-BC=G_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS301	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.3.1.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating " <b>UUS not</b> <b>required</b> ", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIxxSSUUS302	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.3.1.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	ces/UUS3
ISDN selection	UUS3	
criteria:		
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating	
criteria:	"UUS not required", if the network does not receive an explicit acceptance or rejection	
		he called user, a UUS3 rejection with the Error value in the CONNECT message sent to the calling user.
Test purpose:		
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIXXSSUUS303	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.3.1.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS3
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:		3 during call establishment indicating " <b>required</b> ", the RMATION messages in both directions during the
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSUUS304	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.3.2.1	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_servic	ces/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating " <b>UUS not</b> <b>required</b> ", the network can transport USER INFORMATION messages in both directions	
	during the Active state of the call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSUUS305	ISDN ref. to:	PLMN ref. to:
01	EN 300 286-1, clause 9.3.2.2	EN 300 646-1
	EN 300 403-1, clause 7	TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS3
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating " <b>UUS not required</b> ", 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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSECT01	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	EN 300 940
TSSreference:	GSM-ISDN/Supplementary_service	es/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
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 <b>A-B</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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSECT02	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	EN 300 940
TSSreference:	GSM-ISDN/Supplementary_service	es/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
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 <b>A-B</b> is in the <b>Active call sate</b> and the call <b>A-C</b> is in the <b>Active call 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. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	ISDN ref. to:	PLMN ref. to:
GIGXXSSECT03		
	EN 300 369-1, clause 9	EN 300 940
TSSreference:	GSM-ISDN/Supplementary_service	es/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
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 <b>A-B</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>Call Delivered 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 B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSECT04	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1, clause 9	EN 300 940
TSSreference:	GSM-ISDN/Supplementary_service	es/ECT
ISDN selection	ECT	
criteria:		
PLMN selection	ECT	
criteria:		
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 <b>A-B</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.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSCCBS01	ISDN ref. to: PLMN ref. to:	
	EN 300 359-1, clause 9.1.2 EN 300 646-1, clause 6.1.1.14	
	TS 124 093	
TSSreference:	GSM-ISDN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS supplementary service	
criteria:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria:		
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT	
	message to MS A with a diagnostic field indicating CCBS possible, allowed	
	actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	
	The MS is not modifying the Bearer Capability (BC), High Level Compatibility (HLC)	
	and Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it	
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber.	
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the	
	SETUP message.	
	MSC A shall maintain the RR connection with MS A throughout the time when	
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	
	network moves to call state N01.	

MS A	NETWORK
SETUR	<b>D</b>

----->
(Bearer capability, CC capabilities, Called party BCD number)

## DISCONNECT

<-----((Cause #17 (User Busy) / Cause #34 (no circuit/channel available)), diagnostic=CCBSPossible, allowed actions=CCBS Possible)

RELEASE

-----Facility (Invoke=AccessRegisterCCEntry)

RELEASE COMPLETE

Facility (Return Result (CCBS Index, AddressOfB, Sub\_AddressOfB, BasicServiceCode)) (see note)

NETWÓRK

RR CONNECTION ESTABLISHED

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CM SERVICE PROMPT

<-----

START CC

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## CC ESTABLISHMENT

(Setup container)

CC ESTABLISHMENT CONFIRMED

(BC"(s)),

RECALL

Facility (Invoke=NotifySS(SS-Code=CCBS, CCBS index, AddressOfB, Sub\_AddressOfB, BasicServiceCode, Alerting Pattern))

## SETUP

----->

NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.

GIXXSSCCBS02	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1, clause 9.1.2	EN 300 646-1, clause 6.1.1.14
		TS 124 093
TSSreference:	GSM-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection		plementary service. MS A is idle.
criteria:		······································
Test purpose:	Ensure that MS A can establish	a successful CCBS call setup.
ISDN parameter values:	BC=I_BC_ID	I
PLMN parameter	GSM-BC=G_BC_ID	
values:	GSM-LLC=G LLC ID	
	GSM-HLC=G_HLC_ID	
		el Compatibility (HLC) and Low Level Compatibility
	(LLC) information within the Setu	
	Ġ_BĆ_ID_CONT	
	G_LLC_ID_CONT	
	G_HLC_ID_CONT	
		el Compatibility (HLC) and Low Level Compatibility
	(LLC) information within the CC	ESTABLISHMENT CONFIRMED message
	G_BC_ID_CC_E_C	
	G_LLC_ID_CC_E_C	
	G_HLC_ID_CC_E_C	
Comments:		ct Indication call state N12 (sending a DISCONNECT
		stic field indicating CCBS possible, allowed
	,	ipt of a RELEASE message with a FACILITY
	information element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility	
		S Request return result component including the
		AdressOfB, SubAddressOfB and the
	BasicServiceCode.	
		ee the network shall offer subscriber A the option of
	recalling destination B.	te elle este e Trevese (ieu de elle (ifier (Ti)) eu de eteblieb
		to allocate a Transaction Identifier (TI) and establish
		CM SERVICE PROMPT message. MS A establishes
		START CC message to the network.
	include the Setup container.	C ESTABLISHMENT message to MS A which shall
		r Canability (BC) High Level Compatibility (HLC) and
	The MS is <b>modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the networ Once the network has received the CC ESTABLISHMENT CONFIRMED messa	
		to MS A, which contains information to be presented
	to the subscriber.	
		CCBS recall, the MS A shall establish a new call with
	the SETUP message.	
		nnection with MS A throughout the time when
	acceptance of the CCBS Recall is possible. Once the SETUP message is rece	
the network moves to call state N01.		
L		

Values for testpurpose GIXXSSCCBS	02
VA_01	GSM-BC=speech
	G_BC_ID_CONT=speech
	G_BC_ID_CC_E_C=speech
	G_HLC_ID_CC_E_C=telephony
VA_02	GSM-BC=speech
	GSM-HLC=telephony
	G_BC_ID_CONT=speech
	G_HLC_ID_CONT=telephony
	G_BC_ID_CC_E_C=speech
	G_LLC_ID_CC_E_C=3,1 kHz audio
	G_HLC_ID_CC_E_C=telephony
VA_03	GSM-BC=3,1 kHz audio ex PLMN
	G_BC_ID_CONT=3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C=3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C 3,1 kHz audio ex PLMN
VA_04	GSM-BC=facsimile G3
	G_BC_ID_CONT=facsimile G3
	G_BC_ID_CC_E_C=facsimile G3
	G_HLC_ID_CC_E_C=Facsimile G2/G3
VA_05	GSM-BC=facsimile G3
	G_HLC=Facsimile G2/G3
	G_BC_ID_CONT=facsimile G3
	G_HLC_ID_CC_E_C=Facsimile G2/G3
	G_BC_ID_CC_E_C=facsimile G3

TSSreference: GS ISDN selection DI criteria:	N 300 359-1, clauses 9.4.3.1 nd 9.4.4.1 SM-ISDN/Supplementary_service LE is supporting the CCBS supple	
ar TSSreference: GS ISDN selection DI criteria:	nd 9.4.4.1 SM-ISDN/Supplementary_service LE is supporting the CCBS supple	TS 124 093 clause 4.2 s/CCBS
TSSreference: GS ISDN selection DI criteria:	SM-ISDN/Supplementary_service LE is supporting the CCBS supple	s/CCBS
ISDN selection DI criteria:	LE is supporting the CCBS supple	
criteria:		
	LE is supporting the CCPC supple	
PLMN selection OI		ementary service. MS A is idle.
criteria:	11 0 11	\$
Test purpose: Er	nsure that the MS A in the call pro	ceeding call state (the CCBS Recall message was
	ceived and the CCBS Call Set-up	
		the call with a ALERTING message
		nessage. Normal call handling continues.
	C=I_BC_ID	Ŭ
values:		
PLMN parameter GS	SM-BC=G_BC_ID	
values:		
Comments: Th		ndication call state N12 (sending a DISCONNECT field indicating CCBS possible, allowed
	ctions=CCBSPossible) on receipt ement indicating CCBSRequest ir	of a RELEASE message with a FACILITY information tooke component including the
Ac	AccessRegisterCCEntry,	
the	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
Ŵ	When destination <b>B becomes free</b> the network shall offer subscriber A the option of recalling destination B.	
Th CC	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network.	
Tr	The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber.	
Tr		
Tr		
sh		
Th		BS recall, the MS A shall establish a new call with the
	0	ection with MS A throughout the time when
ac		possible. Once the SETUP message is received, the
W	When user B has responded to the call with a ALERTING message the MS A receive an ALERTING message. Normal call handling continues.	

GI xxSSCCBS04	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1	EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.2
TSSreference:	GSM-ISDN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	
criteria:		,
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that the MS A in the call pro	oceeding call state (the CCBS Recall was is received
	and the CCBS Call Set-up was ser	nt) and
	when user B has responded to the	call with a CONNECT message
	the MS A receives an CONNECT n	nessage. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		Indication call state N12 (sending a DISCONNECT
		c field indicating CCBS possible, allowed
		of a RELEASE message with a FACILITY information
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	allocate a Transaction Identifier (TI) and actablish the
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	ICC connection by sending a CM SERVICE PROMPT message. MS A establishes the ICC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the	
	SETUP message.	
	MSC A shall maintain the RR conn	ection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	-
	When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

GIXXSSCCBS05	ISDN ref. to:	PLMN ref. to:
	EN 300 359-1, clause 9.5.4.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_service	es/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is not idle.
criteria:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the	
	CCBS Recall and release the existing call.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSCCBS06	ISDN ref. to:	PLMN ref. to:
GIXX33CCB300		
	EN 300 359-1, clause 9.5.4.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_servic	es/CCBS
ISDN selection	DLE is supporting the CCBS supp	lementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supp	lementary service. MS A is not idle.
criteria:		,
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the	
	CCBS Recall and put the existing call on hold.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

00000007			
GIXXSSCCBS07	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1, clauses 9.2.1 and	EN 300 646-1, clause 6.1.1.14	
	9.4.4.1	TS 124 093 clause 4.3	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	ementary service	
criteria:			
PLMN selection criteria:	OLE is supporting the CCBS supp	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) the user can deactivate a specific CCBS request		
ISDN parameter values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.		

GIXXSSCCBS08	<b>ISDN ref. to:</b> EN 300 359-1, clauses 9.2.1 and 9.4.4.1	PLMN ref. to: EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.4	
TSSreference:	GSM-ISDN/Supplementary_servic	es/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supp	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) the user can deactivate outstanding CCBS requests		
ISDN parameter values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIxxSSCCBS09	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1	EN 300 646-1, clause 6.1.1.14	
		TS 124 093 clause 4.2	
TSSreference:	GSM-ISDN /Supplementary_servic	es/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	ementary service	
criteria:		-	
PLMN selection criteria:	OLE is supporting the CCBS suppl	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit / channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.		

	ISDN ref. to:	PLMN ref. to:
GIXXSSCCBS10		
	EN 300 359-1	EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.2
TSSreference:	GSM-ISDN /Supplementary_service	ces/CCBS
ISDN selection	DLE is supporting the CCBS supplementary service	
criteria:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria:		
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall	
	the MS sends a RELEASE COMP	LETE message.
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	When CCBS is allowed the networ CCBS Request.	k shall give subscriber A the option of activating a
	The network shall send a DISCONNECT message to MS A (cause #17 (User Bu	
		ailable)) with diagnostic field indicating CCBS is
		ating CCBS is Possible. The network starts the
	retention timer T1 when it sends th	
	If the subscriber A does not accept	t CCBS activation, the MS shall send normal
	RELEASE message and the netwo	ork shall stop T1 and continue normal call clearing. If
		LEASE message is received from the MS, the
	network shall continue normal call	•
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## INTERACTIONS

GIGXXSICFU_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP01	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es
ISDN selection	The user B is in network N2 and is provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to number, "diverting number is released to the	
	diverted-to user"= <b>Yes</b> , "served user receives notification that the call has been forwarded"= <b>Yes</b> ).	
PLMN selection	User A is provided with CLIP and COLP.	
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C is notified with a FACILITY IE (Invoke=NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGXXSICFU_CLIP	ISDN ref. to:	PLMN ref. to:	
_COLP02	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_services		
ISDN selection	The user B is in network N2 and is provided with CFU("calling user is notified of call		
criteria:	diversion"=Yes, with diverted-to number, "diverting number is released to the		
	diverted-to user"=Yes, "served use	r receives notification that the call has been	
	forwarded"= <b>Yes</b> ).		
PLMN selection	User A is provided with CLIR and COLP.		
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User A is notified of call diversion a	and the presentation of the diverted-to number is <b>not</b>	
	allowed accordance with the COLR	supplementary service of the diverted-to user.	
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered sta	ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state	(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIGxxSSCFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP01	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 2
_	9.2.4.3 and 9.2.5	ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection		provided with CFB- <b>UDUB</b> ("calling user is notified of
criteria:	call diversion"=Yes, with diverted-to number, "diverting number is released to the	
	diverted-to user"=Yes, "served user receives notification that the call has been	
	forwarded"=Yes).	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.	
		(Invoke=NotifySS[CFB, SS-Notification]) message
		d-to number is allowed accordance with the COLR
	supplementary service of the diverted-to user.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGXXSICFB_CLIP	ISDN ref. to:	PLMN ref. to:	
COLP02	EN 300 207-1, clauses 9.2.2 and		
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_services		
ISDN selection		provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"=Yes, with diverted-to number, "diverting number is released to the		
	diverted-to user"=Yes, "served use	r receives notification that the call has been	
	forwarded"=Yes).		
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.	
	User A is notified of call diversion v	vith a FACILITY (Invoke=NotifySS[CFB, SS-	
	Notification]) message and the pres	sentation of the diverted-to number is <b>not</b> allowed	
	accordance with the COLR suppler	nentary service of the diverted-to user.	
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIGxxSSCFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP04	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 2
—	9.2.4.3 and 9.2.5	ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection		provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion"=Yes, with diverted-to number, "diverting number is released to the	
	diverted-to user"=Yes, "served use	r receives notification that the call has been
	forwarded"= <b>Yes</b> ).	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message	
		to number is allowed accordance with the COLR
	supplementary service of the diverted-to user.	
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the	
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFB-NDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIGxxSICFB_CLIP_	ISDN ref. to:	PLMN ref. to:	
COLP05		ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of		
criteria:	call diversion"=Yes, with diverted-to number, "diverting number is released to the		
	diverted-to user"=Yes, "served use	r receives notification that the call has been	
	forwarded"= <b>Yes</b> ).		
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:	Ensure that when user A calls busy	user B, the call is forwarded to user C.	
	User A is notified of call diversion v	vith a FACILITY	
	(Invoke=NotifySS[CFB, SS-Notifica	tion]) message and the presentation of the diverted-	
	to number is not allowed accordan	ce with the COLR supplementary service of the	
	diverted-to user.		
	User <b>B</b> is notified of call diversion.		
	User C is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		N10) the voice/data transfer on the B-channels is	
ISDN parameter values:	CFB-NDUB active		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIGXXSICFNR_CLI	ISDN ref. to:	PLMN ref. to:	
P COLP01	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection		provided with CFNR (option A, late release) ("calling	
criteria:		es, with diverted-to number, "diverting number is	
	released to the diverted-to user"=Y	es).	
PLMN selection	User A is provided with CLIP and COLP.		
criteria:	User C is provided with CLIP.		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is notified of call diversion with a FACILITY (Invoke=NotifySS[CFNR,SS-		
		sentation of the diverted-to number is allowed	
	accordance with the COLR supplementary service of the diverted-to user.		
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		(N10) the voice/data transfer on the B-channels is	
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIGXXSICFNR_CLI	ISDN ref. to:	PLMN ref. to:	
P COLP02	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
F_COLF02	9.2.5	ETS 300 543, clause 1	
TSSreference:			
	GSM-ISDN/Supplementary_service		
ISDN selection	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling		
criteria:	user is notified of call diversion"=Yes, with diverted-to number, "diverting number is		
	released to the diverted-to user"=Y	/	
PLMN selection	User A is provided with CLIR and COLP.		
criteria:	User C is provided with COLR and		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is notified of call diversion with a FACILITY		
	(Invoke=NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted- to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User <b>B</b> is notified of call diversion.		
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
		(N10) the voice/data transfer on the B-channels is	
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIGXXSICFNR_CLI	ISDN ref. to:	PLMN ref. to:
P COLP04	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is notified of call diver	rsion"= <b>Yes</b> , with diverted-to number, "diverting
	number is released to the diverted-	to user"= <b>Yes</b> ).
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:	User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.
	User A is notified of call diversion v	vith a FACILITY
		cation]) message and the presentation of the diverted-
	to number is allowed accordance w	vith the COLR supplementary service of the diverted-
	to user.	
	User <b>B</b> is notified of call diversion.	
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call	
	diversion.	
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GIGxxSICFNR_CLI	ISDN ref. to:	PLMN ref. to:	
P_COLP05	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es	
ISDN selection		provided with CFNR (option B, immediate release)	
criteria:	("calling user is notified of call diver	rsion"= <b>Yes</b> , with diverted-to number, "diverting	
	number is released to the diverted-	to user"= <b>Yes</b> )	
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C.	
	User A is notified of call diversion v		
	(Invoke=NotifySS[CFNR,SS-Notific	cation]) message and the presentation of the diverted-	
	to number is not allowed accordan	ce with the COLR supplementary service of the	
	diverted-to user.		
	User <b>B</b> is notified of call diversion.		
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call		
	diversion.		
	Ensure that when the Calling party number is provided by the calling user, the Calling		
	party number information element is delivered to the called user without any digit		
	information.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSICFU_CLIP_	ISDN ref. to:	PLMN ref. to:	
COLP01	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU	
ISDN selection		provided with CFU("calling user is notified of call	
criteria:		mber, "diverting number is released to the	
	-	r receives notification that the call has been	
	forwarded"= <b>Yes</b> ).		
	User C is provided with CLIP.		
PLMN selection	User A is provided with CLIP and C	COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user		
		and the presentation of the diverted-to number is	
	allowed accordance with the COLF User <b>B</b> is notified of call diversion.	R supplementary service of the diverted-to user.	
	User <b>C</b> receives the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G BC ID	
values:			
Comments:			

GIIXSICFU_CLIP	ISDN ref. to:	PLMN ref. to:
COLP02	EN 300 207-1, clauses 9.2.2 and	
COLFUZ	9.2.5	ETS 300 543, clause 1
TSSreference:		
	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFU("calling user is notified of call
criteria:		imber, "diverting number is released to the
		er receives notification that the call has been
	forwarded"= <b>Yes</b> ).	
	User C is provided with COLR and	
PLMN selection	User A is provided with CLIR and C	COLP.
criteria:		
Test purpose:	Ensure that when user A calls user	
		and the presentation of the diverted-to number is <b>not</b>
		R supplementary service of the diverted-to user.
	User <b>B</b> is notified of call diversion.	
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with	
	the presentation indicator set to "presentation allowed".	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
	performed correctly.	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIXXSICFU_CLIP	ISDN ref. to:	PLMN ref. to:	
COLP03	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU	
ISDN selection	The user B is in network N2 and is	provided with CFU("calling user is notified of call	
criteria:	diversion"=No, with diverted-to nur	nber, "diverting number is released to the diverted-to	
	user "=No, "served user receives n	otification that the call has been forwarded"=No) and	
	CLIR.		
	User C is provided with CLIP.		
PLMN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.		
	User A is not notified of call diversion and not informed of the diverted-to number.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

	ISDN ref. to:	PLMN ref. to:	
COLP01	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 2	
	9.2.4.3 and 9.2.5	ETS 300 543, clause 2	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection		provided with CFB-UDUB ("calling user is notified of	
criteria:		o number, "diverting number is released to the	
		r receives notification that the call has been	
	forwarded"= <b>Yes</b> ).		
	User C is provided with CLIP.		
PLMN selection	User A is provided with CLIP and C	COLP.	
criteria:			
Test purpose:		user B, the call is forwarded to user C.	
		(Invoke=NotifySS[CFB, SS-Notification]) message	
	and the presentation of the diverted	d-to number is allowed accordance with the COLR	
	supplementary service of the divert		
	User <b>B</b> is notified of call diversion with a FACILITY message (DCR) about the		
	telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address.		
	User <b>C</b> receives the <i>Redirecting number</i> IE giving the reason for call diversion with the		
	presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling		
	party number information element is correctly delivered to the called user C.		
		te (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/annour	ncement are applied.	
	Ensure that in the active call state (	(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIXXSICFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP02		ETS 300 566, clause 1
001.01	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFB- <b>UDUB</b> ("calling user is notified of
criteria:		o number, "diverting number is released to the
		r receives notification that the call has been
	forwarded"= <b>Yes</b> ).	
	User C is provided with COLR and	CLIP
PLMN selection	User A is provided with CLIR and C	
criteria:		
Test purpose:	Ensure that when user A calls user	B, the call is forwarded to user C.
	User A is notified of call diversion w	•
	(Invoke=NotifvSSICFB, SS-Notifica	tion]) message and the presentation of the diverted-
		ce with the COLR supplementary service of the
	diverted-to user.	
	User <b>B</b> is notified of call diversion.	
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".	
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit	
	information.	
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

r		1	
GIIXXSICFB_CLIP	ISDN ref. to:	PLMN ref. to:	
COLP03	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1	
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU	
ISDN selection	The user B is in network N2 and is	provided with CFB- <b>UDUB</b> ("calling user is notified of	
criteria:	call diversion"=No, with diverted-to	number, "diverting number is released to the	
		receives notification that the call has been	
	forwarded"=No) and CLIR.		
	User C is provided with CLIP.		
PLMN selection		etwork N1. User A is provided with CLIP and COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user	B. the call is forwarded to user C.	
	User A is not notified of call diversi		
	(Invoke=NotifySS[CFB, SS-Notification]) message and not informed of the diverted-to		
	number.		
	User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with		
	the presentation indicator set to "presentation restricted ".		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is		
	performed correctly if tones/annour		
		(N10) the voice/data transfer on the B-channels is	
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIXXSSCFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP04	EN 300 207-1, clauses 9.2.2,	ETS 300 566, clause 2
	9.2.4.3 and 9.2.5	ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFB- <b>NDUB</b> ("calling user is notified of
criteria:	call diversion"=Yes, with diverted-to	o number, "diverting number is released to the
	diverted-to user"=Yes, "served use	r receives notification that the call has been
	forwarded"=Yes).	
	User C is provided with CLIP.	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:		
Test purpose:		user B, the call is forwarded to user C.
		(Invoke=NotifySS[CFB, SS-Notification]) message
		to number is allowed accordance with the COLR
	supplementary service of the divert	
		vith a FACILITY message (DCR) about the
	telecommunications service information, user-to-user information, served user B's	
	subaddress and the calling party A's address.	
	User <b>C</b> receives the <i>Redirecting number</i> IE giving the reason for call diversion with the	
	presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling	
		s correctly delivered to the called user C.
		te (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annour	
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G BC ID	
values:		
Comments:		

GIIXXSICFB_CLIP	ISDN ref. to:	PLMN ref. to:	
COLP05	EN 300 207-1, clauses 9.2.2 and		
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection		provided with CFB-NDUB ("calling user is notified of	
criteria:		o number, "diverting number is released to the	
		r receives notification that the call has been	
	forwarded"= <b>Yes</b> ).		
	User C is provided with COLR and	CLIP.	
PLMN selection	User A is provided with CLIR and 0	COLP.	
criteria:			
Test purpose:		user B, the call is forwarded to user C.	
	User <b>A</b> is notified of call diversion v	vith a FACILITY	
	(Invoke=NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-		
	to number is not allowed accordance with the COLR supplementary service of the		
	diverted-to user.		
	User <b>B</b> is notified of call diversion.		
	User C can receive the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.		
	Ensure that in the call delivered sta	ate (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is		
	performed correctly.		
ISDN parameter	CFB-UDUB active		
values:			
PLMN parameter	GSM-BC=G BC ID		
values:			
Comments:			
comments:			

GIIXSICFB_CLIP	ISDN ref. to:	PLMN ref. to:
COLP06	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection		provided with CFB-NDUB ("calling user is notified of
criteria:	call diversion"=No, with diverted-to	number, "diverting number is released to the
	diverted-to user"=No, "served user	receives notification that the call has been
	forwarded"= <b>No</b> ) and CLIR.	
	User C is provided with CLIP.	
PLMN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP.
criteria:		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIXXSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:	
_COLP01	EN 300 207-1, clauses 9.2.2 and		
	9.2.5	ETS 300 543, clause 1	
TSSreference:	GSM-ISDN/Supplementary_service		
ISDN selection		provided with CFNR (option A, late release) ("calling	
criteria:		es, with diverted-to number, "diverting number is	
	released to the diverted-to user"=Y	es).	
	User C is provided with CLIP.		
PLMN selection	User A is provided with CLIP and C	COLP.	
criteria:			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is notified of call diversion with a FACILITY		
	(Invoke=NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted- to number is allowed accordance with the COLR supplementary service of the diverted-		
	to user. User <b>B</b> is notified of call diversion.		
	User <b>C</b> receives the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed".		
	Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.		
	Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIXXSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
COLP02	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1
_002.02	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:		es, with diverted-to number, "diverting number is
	released to the diverted-to user"= <b>Y</b>	
	User C is provided with COLR and	
PLMN selection	User A is provided with CLIR and C	
criteria:	oser mis provided with oEnt and c	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is notified of call diversion with a FACILITY (Invoke=NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted- to number is <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user. User B is notified of call diversion. User C can receive the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is	
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIXXSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_COLP03	EN 300 207-1, clauses 9.2.2 and	ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	s/CFU
ISDN selection	The user B is in network N2 and is	provided with CFNR (option A, late release) ("calling
criteria:	user is notified of call diversion"=No	, with diverted-to number, "diverting number is
	released to the diverted-to user"=N	o and CLIR.
	User C is provided with CLIP.	
PLMN selection	The user A and the user C are in ne	etwork N1. User A is provided with CLIP and COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	ISDN ref. to:	PLMN ref. to:
GIIXXSICFNR_CLIP		
_COLP04		ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFNR (option B, immediate release)
criteria:	("calling user is notified of call diver	rsion"= <b>Yes</b> , with diverted-to number, "diverting
	number is released to the diverted-	to user"=Yes).
	User C is provided with CLIP.	
PLMN selection	User A is provided with CLIP and C	COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is notified of call diversion with a FACILITY (Invoke=NotifySS[CFNR,SS- Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User <b>B</b> is notified of call diversion. User <b>C</b> receives the <i>Redirecting number</i> IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIXXSICFNR_CLIP		PLMN ref. to:
_COLP05	EN 300 207-1, clauses 9.2.2 and E	
		TS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"= <b>Yes</b> , with diverted-to number, "diverting number is released to the diverted-to user"= <b>Yes</b> ) User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and CC	DLP.
Test purpose:	User <b>A</b> is notified of call diversion with (Invoke=NotifySS[CFNR,SS-Notificat diverted-to number is <b>not</b> allowed act the diverted-to user. User <b>B</b> is notified of call diversion. User C can receive the <i>Redirecting</i> the presentation indicator set to "presensure that when the Calling party n party number information element is information. Ensure that in the call delivered state performed correctly if tones/announce	tion]) message and the presentation of the coordance with the COLR supplementary service of <b>number</b> IE giving the reason for call diversion with sentation allowed". umber is provided by the calling user, the Calling delivered to the called user without any digit e (N4) the transfer of tone on the B-channel is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	ISDN ref. to:	PLMN ref. to:
GIIXXSICFNR_CLIP		
_COLP06	EN 300 207-1, clauses 9.2.2 and	
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection	The user B is in network N2 and is	provided with CFNR (option B, immediate release)
criteria:	("calling user is notified of call diver	rsion"= <b>No</b> , with diverted-to number, "diverting number
	is released to the diverted-to user":	=No and CLIR.
	User C is provided with CLIP.	
PLMN selection	The user A and the user C are in n	etwork N1. User A is provided with CLIP and COLP.
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the <b>Redirecting number</b> IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

## NON-SYMMETRICAL TESTS

GIXXSNTP01	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.1	EN 300 646-1, clause 6.1.1.3
	EN 300 403-1, clause 5.6	
TSSreference:	GSM-ISDN/Supplementary_service	es/TP
ISDN selection	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called user	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The called user must be a basic access.	

GIxxSNTP02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1, clause 9.2.2	EN 300 646-1, clause 6.1.1.3
	EN 300 403-1, clause 5.6.5	
TSSreference:	GSM-ISDN/Supplementary_service	es/TP
ISDN selection	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire 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 expire".	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The called user must be a basic ac	Cess.

GIXXSNMCID01	ISDN ref. to:	PLMN ref. to:
	EN 300 130-1	EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-ISDN/Supplementary_service	es/MCID
ISDN selection	MCID	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSNMCID02	ISDN ref. to:	PLMN ref. to:
	EN 300 130-1	EN 300 646-1 clause 6.1.1.7
TSSreference:	GSM-ISDN/Supplementary_service	es/MCID
ISDN selection	MCID	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state,	
	the call is registered.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSNMPTY0101	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545	
TSSreference:	GSM-ISDN/Supplementary_service	es/MPTY	
ISDN selection	MTPY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that the user A can establis	Ensure that the user A can establish a MPTY call to user B and user C.	
	User A is terminating the entire multi party call.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:		The PLMN user A and PLMN user C are in network	
		establishment user A initiates call hold. Then user A	
	calls user C. After call establishment user A invokes the MPTY service by sending a		
		FACILITY message to the network containing the BuildMTPY request which indicates to	
		iber wishes all his calls to be connected together in a	
	multi party call. User A is terminati	ng the entire multi party call.	

GIXXSNMPTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_service	es/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	N1. User A calls user B. After call e calls user C. After call establishmen FACILITY message to the network the network that the mobile subscri	The PLMN user A and PLMN user C are in network establishment user A initiates call hold. Then user A nt user A invokes the MPTY service by sending a containing the BuildMTPY request which indicates to ber wishes all his calls to be connected together in a ocedure to user B is performed from user A.

GI xxSNMPTY03	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_service	ces/MPTY
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user A calls user C. After call esta sending a FACILITY message to t	ablishment user A initiates call hold. Then ablishment user A invokes the MPTY service by the network containing the BuildMTPY request which nobile subscriber wishes all his calls to be connected

GIXXSNMPTY04	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_service	es/MPTY
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single active call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GI XXSNMPTY05	ISDN ref. to:	PLMN ref. to:
		TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services	s/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GI xxSNMPTY06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_servic	es/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

GIXXSNMPTY07	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_servic	es/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

GI xxSNMPTY08	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection	MPTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes a normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GIXXSNMPTY09	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_ser	vices/MPTY
ISDN selection	MPTY	
criteria:		
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIXXSNMPTY10	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545	
TSSreference:	GSM-ISDN/Supplementary_service	es/MPTY	
ISDN selection	MPTY		
criteria:			
PLMN selection criteria:			
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.		
	Ensure that the user A can establis	h a MPTY call to user B and user C and	
	separate the remote user B from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -HOLD- REQUEST connection.		
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE).		
	User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.		
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIXXSNMPTY11	ISDN ref. to:	PLMN ref. to:	
<b>T</b> 00 (	EN 300 403-1 clause 5.2 TS 100 517, TS 100 545		
TSSreference:	GSM-ISDN/Supplementary_service	es/MPTY	
ISDN selection	MPTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN User B is in network N2.	The PLMN user A and PLMN user C are in network	
	N1.		
	Ensure that the user A can establis	sh a MPTY call to user B and user C and	
	separate the remote user B from th	e multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). After	initiating of call hold, the call A-B has an	
	ACTIVE -HOLD- REQUEST conne	ction.	
	After the completion of the Retrieve	e function concerning the MPTY call, the MPTY call is	
	an active connection and the A-B c		
	(A-B HELD / MPTY ACTIVE).		
	User B is terminating the multi part	y call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call, user A is clearing the A-B connection.		
	Ensure that the user A can establish a MPTY call to user B and user C and		
	separate the remote user B from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an		
	ACTIVE -HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is		
	an active connection and the A-B c		
	(A-B HELD / MPTY ACTIVE).		
	· · · · · · · · · · · · · · · · · · ·	y call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call, user B is clearing the A-B connection.		
ISDN Parameter	BC=I BC ID		
values:	B0-i_b0_ib		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			
	1		

GIxxSNCD01	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation".	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD.	
	The PLMN user A and PLMN user	C are in network N1.
	Ensure that when user A calls user	B, the local exchange of user B goes to the Call
	Received call state N07. Then user B sends a FACILITY message containing a Facility	
	information element coded as CallDeflection invoke component. The network performs	
	the call deflection to user C. Afterwards the network shall release user B with a	
	DISCONNECT message with cause #31 and a facility IE with a CallDeflection return	
	result component.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSNCD02	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_servic	,
ISDN selection	CD; Network provider option "serv	red user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSNCD03	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD/
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"clear call on invocation"	
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSNCD04	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD
ISDN selection	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSNCD05	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207	EN 300 940, clause 5.2	
TSSreference:	GSM-ISDN/Supplementar	y_services/CD	
ISDN selection		on "served user call retention on invocation of diversion" is	
criteria:	"retain call until alerting be	egins at diverted-to user"	
PLMN selection			
criteria:			
Test purpose:	The ISDNuser B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter	BC=I_BC_ID	BC=I_BC_ID	
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

GIXXSNCD06	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_servic	es/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at	diverted-to user"
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI XXSNCD07	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	liverted-to user".
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSNCD08	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_servic	es/CD
ISDN selection	CD; (Network provider option "ser	ved user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at	diverted-to user").
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSNCD09	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at c	liverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 receives a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSNCD10	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at d	iverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIXXSNCD11	ISDN ref. to:	PLMN ref. to:	
	ETS 300 207	EN 300 940, clause 5.2	
TSSreference:	GSM-ISDN/Supplementar	ry_services/CD	
ISDN selection	CD; Network provider opt	ion "served user call retention on invocation of diversion" is	
criteria:	"retain call until alerting be	egins at diverted-to user".	
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.		
ISDN Parameter	BC=I_BC_ID	BC=I_BC_ID	
values:			
PLMN parameter	GSM-BC=G_BC_ID	GSM-BC=G_BC_ID	
values:			
Comments:			

GIxxSNCD12	ISDN ref. to:	PLMN ref. to:
	ETS 300 207	EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	es/CD
ISDN selection		ed user call retention on invocation of diversion" is
criteria:	"retain call until alerting begins at c	liverted-to user".
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSNCBS01	ISDN ref. to:	PLMN ref. to:
		ETS 300 548
TSSreference:	GSM-ISDN/Supplementary_service	es/Call barring service
ISDN selection		
criteria:		
PLMN selection	Call barring service	
criteria:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGXXSNCONF01	ISDN ref. to:	PLMN ref. to:
	EN 300 185-1, clause 9.2.2,	EN 300 646-1, clause 6.1.1.8
	annex A, figure A.2	
TSSreference:	GSM-ISDN/Supplementary_service	es/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:		and is provided with CONF. The PLMN user A and
	PLMN user C are in network N2.	
	Ensure that user A calls user B. User B can establish a conference from the Active call	
	state to user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After the call e	establishment
	[in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added.	
		B with a FACILITY message including a Facility IE eturn result component in a Facility IE.

GIIXXSNCONF01	ISDN ref. to:	PLMN ref. to:	
	EN 300 185-1, clause 9.2.2,	EN 300 646-1, clause 6.1.1.8	
	annex A, figure A.2		
TSSreference:	GSM-ISDN/Supplementary_service	es/CONF	
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network N2 and is provided with CONF. The PLMN user A. The ISDN user C are in network N2 or N1.		
	Ensure that user A calls user B. User B can establish a conference from the Active call state to user C.		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	User A calls user B. After the call establishment [in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added. The network shall respond to user B with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.		

	ISDN ref. to:	PLMN ref. to:	
GIGxxSN3PTY01			
	EN 300 188-1, clause 9.2 EN 300 646-1, clause 6.1.1.14		
TSSreference:	GSM-ISDN/Supplementary_servic	es/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network N2	and is provided with 3PTY.	
	The PLMN user A and PLMN user	C are in the network N1.	
	Ensure that user A calls user B. Us	ser B can establish a three-way conversation call with	
	user C. User B release the Active-	Idle connection. After the completion of the Retrieve	
	function, the call clearing procedur	e is performed from user B.	
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an		
	Active-Held connection.		
	User B is calling user C (with the C	Ry). The call (B-C) has an Active-Idle connection.	
	When user B sends a FACILITY message for CRx containing a facility IE with a		
		network shall respond with a FACILITY message	
		3PTY return result component for CRx. The three-	
	way bridge is established.	·	
		ssage from the user B relating to the Active-Idle	
		connection (CRy) the network shall clear the call to user C with a DISCONNECT	
		hree-way bridge the network is sending to the remote	
	user A the notification "Remote ho		
	User B sends a RETRIEVE messa	ge for CRx. User B shall receive a RETRIEVE	
		all A-B has an Active-Idle connection.	
	The call clearing procedure is performed from user A.		
L			

GIG_xxSN3PTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY. The PLMN user A and PLMN user C are in the network N1. Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B 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. The three- way bridge is established. On receipt of a DISCONNECT message from the user B relating to the Active-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

GII xxSN3PTY01	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14	
TSSreference:	GSM-ISDN/Supplementary_ser	vices/3PTY	
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	The ISDN user B is in network I	V2 and is provided with 3PTY.	
	The PLMN user A is in the netw	vork N1.	
	The ISDN user C is in network N1 or N2.		
	Ensure that user A calls user B. User B can establish a three-way conversation call with		
	user C. User B release the Active-Idle connection. After the completion of the Retrieve		
	function, the call clearing proce	dure is performed from user B.	
ISDN Parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSN3PTY02	ISDN ref. to:	PLMN ref. to:
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection	3PTY	
criteria:		
PLMN selection		
criteria:		
Test purpose:	The ISDN user B is in network N2 a The PLMN user A and PLMN The ISDN user C are in the networ	
	Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter	BC=I BC ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B 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. The three-way bridge is established. On receipt of a DISCONNECT message from the user B relating to the Active-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

#### 7.4 Test purposes for GSM-PSTN

#### 7.4.1 Test purposes for GSM-PSTN, Basic call

#### 7.4.1.1 Successful

Successful
Speech

GP SP 01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 5.2.1.4.1, 5.5.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic call/Successful	
PSTN selection		
criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call 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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		elements are created by the originating exchange ress complete message (ACM) in the ISUP. Table 1 value.

GP02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

GP	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

	PSTN ref. to:	PLMN ref. to:	
GP04			
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Succ	essful	
PSTN selection			
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=G_BC_ID, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=speech	GSM-BC=speech	
values:			
Comments:			

GP05	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.5.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection		
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:	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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech, HLC=telephony	
values:		
Comments:		elements are created by the originating exchange ess complete message (ACM) in the ISUP. Table 1 value.

#### Successful 3,1 kHz audio ex PLMN

	PSTN ref. to:	PLMN ref. to:
GPAU01		
	EN 300 001	EN 300 940, clauses 5.2.1.4.1, 5.5.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Succes	sful/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the call 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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PL	MN, voice band data via modem, no LLC
values:		
Comments:		tion elements are created by the originating exchange address complete message (ACM) in the ISUP. Table 1 ach value.

GP AU 02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/S	Successful/3,1 kHz audio ex PLMN	
PSTN selection criteria:			
PLMN selection criteria:	Audio		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PSTN parameter values:			
PLMN parameter values:	GSM-BC=3,1 kHz audio	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:			

GPAU03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/	/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
values:		
Comments:		

GP AU 04	PSTN ref. to:	PLMN ref. to:
GP04		
	EN 300 001	EN 300 940, clauses 5.2.1, 5.5.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Suc	cessful/3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	LLC=3,1 kHz audio, voice band data via modem	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.	

## Successful HSCSD - 3,1 kHz

GPHA01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940
		TS 100 976
		TS 101 038
TSSreference:	GSM-PSTN/Basic_call/Success	ful/HSCSD - 3,1 kHz
PSTN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
PSTN parameter	BC=3,1 kHz audio, voice band data via modem,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/asynchronous mod	
	fix network user rate: FNU_RAT	
	maximum number of traffic chan	
	air interface user rate: AIU RAT	
	acceptable channel coding: TCH	
Comments:		

GI HA 02	ISDN ref. to:	PLMN ref. to:
GI02	EN 300 403-1	EN 300 940
	EN 300 403-1	
		TS 100 976
700 (		TS 101 038
TSSreference:	GSM-ISDN/Basic_call/Successful/I	HSCSD - 3,1 kHz
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the <b>LLC</b> parameter values: 3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
ISDN parameter	BC=3,1 kHz audio, voice band data via modem,	
values:	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN,	voice band data via modem,
values:	synchronous/asynchronous mode: MODE	
	fix network user rate: FNU_RATE	
	maximum number of traffic channels: No_TCH,	
	air interface user rate: AIU_RATE	
	acceptable channel coding: TCH_FX_X	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose GPHA01 and GPH	A02
VA_01	MODE: synchronous
—	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 3
	AIU_RATE: 14,4 kbit/s
	TCH_FX_X: 4,8
VA_02	MODE: synchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 2
	AIU_RATE: 19,2
	TCH_FX_X: 9,6
VA_03	MODE: synchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 3
	AIU_RATE: 28,8 kbit/s
	TCH_FX_X: 9,6
VA_04	MODE: synchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8 kbit/s
	TCH_FX_X: 9,6
VA_05	MODE: synchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
	No_TCH: 4
	AIU_RATE: 57,6 kbit/s
VA_06	TCH_FX_X: 14,4 MODE: synchronous
VA_00	USER_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57,6
	TCH_FX_X: 14,4
VA_07	MODE: asynchronous
VA_01	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 1
	AIU_RATE: 14,4
	TCH_FX_X:14,4
VA_08	MODE: asynchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
	TCH_FX_X: 4.8
VA_09	MODE: asynchronous
	USER_RATE: 28.8 kbit/s
	FNU_RATE: 28.8 kbit/s
	No_TCH: 2
	AIU_RATE: 28,8
	TCH_FX_X:14,4
VA_10	MODE: asynchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8
	TCH_FX_X:9,6
VA_11	MODE: asynchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
	No_TCH: 4
	AIU_RATE: 57,6
	TCH_FX_X: 14,4

## Successful Facsimile group 3

	DOTN ref. to .		
GPFX01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1, 5.5.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/S	uccessful/Facsimile G3	
PSTN selection criteria:			
PLMN selection criteria:	TS 62	TS 62	
Test purpose:	indicator information eler description value #1 "call or #8 "In-band informatio Ensure that in the call de tones/announcement are	Ensure that the call 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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:			
PLMN parameter values:	GSM-BC=facsimile G3, H	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.		

GP FX 02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/S	Successful/Facsimile G3	
PSTN selection criteria:			
PLMN selection criteria:	TS 62		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PSTN parameter values:			
PLMN parameter values:	GSM-BC=facsimile G3,	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:			

GPFX03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/	Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	BC=facsimile G3, HLC=Facsimile G2/G3	
values:		
Comments:		

#### Successful

# Alternate speech and facsimile group 3

GPAF01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 5.2.1
TSSreference:	GSM-PSTN/Basic_call/Successful	Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=facsimile G3, no HLC	
Comments:		

GP AF 02	PSTN ref. to:	PLMN ref. to:
GFAF02		
	EN 300 001	EN 300 940, clause 5.2
		TS 100 976, clause 10.2.2
		TS 100 913, clause B.1.10
TSSreference:	GSM-PSTN/Basic_call/Su	ccessful/Alternate speech and facsimile G3
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly	
	when the called user clears after answer.	
	Ensure that in the call deli- tones/announcement are a	vered state (N4) the transfer of tone is performed correctly if applied.
		all state (N10) the voice transfer on the traffic channels is
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=facsimile	e G3,
Comments:		

r		
GPAF03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2 and 5.5.1
		TS 100 976, clause 10.2.2
		TS 100 913, clause B.1.10
TSSreference:	GSM-PSTN/Basic_call/S	Successful/Alternate speech and facsimile G3
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call 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 no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsin	nile G3
Comments:		nformation elements are created by the originating exchange of the address complete message (ACM) in the ISUP. Table 1 ria of each value.

GPAF04	PSTN ref. to: EN 300 001	PLMN ref. to: EN 300 940, clauses 5.2 and 5.5.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10
TSSreference:	GSM-PSTN/Basic_call/Successful	Alternate speech and facsimile G3
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call 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 no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		elements are created by the originating exchange ress complete message (ACM) in the ISUP. Table 1 value.

#### Table 1

← Message sent to the MS	← ACM
Progress indicator	Content
information element	
No.1	Backward call indicators parameter
(Call is not end-to-end ISDN: further progress information	ISDN user part indicator
may be available	0 ISDN user Part
	not used all the way
No. 2	Backward call indicators parameter
(Destination address is non -ISDN	
	ISDN user part indicator
	1 ISDN user Part
	used all the way
	ISDN access indicator
	0 terminating access non-ISDN
No.8	Optional backward call indicator parameter
(In-band information or appropriate pattern now available)	
	In-band information indicator
	1 In-band info.

## Successful Emergency Calls

	DOTH	
GPEC01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1.4.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection	Emergency service	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the call 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", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech,	
values:		
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.	

GPEC02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

GPEC03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=SPEECH	
values:		
Comments:		

	DCTN rof to:		
GPEC04	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Successful	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection	Emergency service;		
criteria:			
PLMN selection	TS 12		
criteria:			
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter			
values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech		
values:			
Comments:			

GP EC 05	PSTN ref. to:	PLMN ref. to:	
GFEC05			
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Successful	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection	Emergency service;		
criteria:			
PLMN selection	TS 12		
criteria:			
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer.		
	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied.		
	Ensure that in the active call state performed correctly.	(N10) the voice transfer on the traffic channels is	
PSTN parameter			
values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech,		
values:			
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.		

GPEC06	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Successful	Emergency Call	
PSTN selection	Emergency service;		
criteria:			
PLMN selection criteria:	TS 12	TS 12	
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PSTN parameter values:			
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech		
values:			
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.		

GP EC 07	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Su		
PSTN selection	Emergency service;	ž i	
criteria:			
PLMN selection	TS 12		
criteria:			
Test purpose:	the VLR. Ensure that the c clears after answer. The S contain a HLC=telephony. Ensure that in the call deli- tones/announcement are a	Emergency call from MS when the IMSI contained in the SIM Card is not recognised by the VLR. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly	
PSTN parameter values:			
PLMN parameter	EMERGENCY SETUP: G	EMERGENCY SETUP; GSM-BC=speech	
values:			
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognised by the VLR.		

	DOTN ref. to:	
GPEC08	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successfu	I/Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognised by the VLR. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and a can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter		
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=speech	
values:		
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognised by the VLR.	

### 7.4.1.2 Unsuccessful

# UNSUCCESSFUL Speech

GPSP_U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful
PSTN selection		
criteria:		
PLMN selection	TS 11	
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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a	
	HLC=telephony.	

GP_SP_U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/l	Jnsuccessful
PSTN selection		
criteria:		
PLMN selection	TS 11	
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 (unallocated) number".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech,	
values:		
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	
	NOTE: some PSTNs	provide announcements instead of sending cause value #1.

GPSP_U03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful
PSTN selection		
criteria:		
PLMN selection	TS 11	
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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the	GSM-BC=speech, and can contain a
	HLC=telephony.	

GPSP_U04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccessi	ful
PSTN selection		
criteria:		
PLMN selection	TS 11	
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 cause value	
	#19 "no answer from user (user alerted)".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	The SETUP message contains the	GSM-BC=speech, and can contain a
	HLC=telephony.	

UNSUCCESSFUL
3,1 kHz ex PLMN

GPAU_U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsucces	ssful/3,1 kHz ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
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 (unallocated) number".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
values:		
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GPAU_U02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/U	Jnsuccessful/3,1 kHz ex PLMN	
PSTN selection			
criteria:			
PLMN selection	Audio		
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.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=3,1 kHz ex PL	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
values:			
Comments:			

GPAU_U03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/L	Jnsuccessful/3,1 kHz ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
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.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

GPAU_U04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful/3,1 kHz ex PLMN
PSTN selection criteria:		
PLMN selection criteria:	Audio	
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 cause value #19 "no answer from user (user alerted)".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
values:		
Comments:		

UNSUCCESSFUL	
UDI	

GPDU_U01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	sful/UDI	
PSTN selection			
criteria:			
PLMN selection	UDI		
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, #65 "bearer service not implemented" or #88 "incompatible destination".		
PSTN parameter values:			
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption		
Comments:			

# Unsuccessful

# Facsimile group 3

PSTN ref. to:	PLMN ref. to:
EN 300 001	EN 300 940, clause H.1.1
GSM-PSTN/Basic_call/Unsuccess	ful/Facsimile G3
TS 62	
Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
GSM-BC=facsimile G3	
NOTE: some PSTNs provide ar	nnouncements instead of sending cause value #1.
	EN 300 001 GSM-PSTN/Basic_call/Unsuccess TS 62 Ensure that, when calling to unallo calling user with cause value #1 "u GSM-BC=facsimile G3

GPFX_U02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause H.1.6
TSSreference:	GSM-PSTN/Basic_call/L	Insuccessful/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

GPFX_U03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clause H.1.8	
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful/Facsimile G3	
PSTN selection			
criteria:			
PLMN selection	TS 62	TS 62	
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 #19 "no answer from user (user alerted)".		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=facsimile G3		
values:			
Comments:			

GPFX_U04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause H.1.5
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
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.	
	before answer from called user, the	e network transport the cause value to the called user.
PSTN parameter		
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
Comments:		

# Unsuccessful

# Alternate speech and facsimile group 3

GPAFU01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause H.1.1
TSSreference:	GSM-PSTN/Basic_call/	Unsuccessful/Alternate speech and facsimile G3
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=Facsimile G3	
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GPAF_U02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clause H.1.6	
TSSreference:	PSTN-PLMN/Basic_call	/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection			
criteria:			
PLMN selection	TS 61	TS 61	
criteria:			
Test purpose:	Ensure that when the ca	Ensure that when the called PSTN user is busy the network transport the cause value	
	#17 "user busy" to the calling user.		
PSTN parameter			
values:			
PLMN parameter	first GSM-BC=speech,	first GSM-BC=speech,	
values:	second GSM-BC=Facsi	mile G3	
Comments:			

GPAF_U03	PSTN ISDN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause H.1.7
		TS 100 974, clauses 18.2 and 18.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
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 #19 "no answer from user (user alerted)".	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=Facsimile G3	
Comments:		

GP AF U04	PSTN ref. to: EN 300 001	PLMN ref. to:
		EN 300 940, clause H.1.5
TSSreference:	GSM-PSTN/Basic_call/Unsucce	ssful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
criteria:		
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.	
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=Facsimile G3	
Comments:		

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GPEC_U01	PSTN ref. to: EN 300 001	PLMN ref. to:
		EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuco	cessful/Emergency Call
PSTN selection		
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:		

### 7.4.2 Test purposes for GSM-PSTN, Supplementary Services

## **Supplementary Services**

GPxxSSCLIP01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 9.3.23.2
	ETS 300 648	TS 100 542, clause 1
	ETS 300 659	EN 300 951, clause 1
TSSreference:	GSM-PSTN/Supplementary_servic	es/CLIP
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection		
criteria:		
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.	
PSTN parameter	Calling Line Identity parameter	
values:		
PLMN parameter	GSM-BC=G_BC_ID, Calling party subaddress	
values:		
Comments:		

GPxxSSCLIP02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 9.3.23.2
	ETS 300 648	TS 100 542, clause 1
	ETS 300 659	EN 300 951, clause 1
TSSreference:	GSM-PSTN/Supplementary_servic	es/CLIP
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection		
criteria:		
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.	
PSTN parameter	Calling Line Identity parameter	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GPxxSSCLIR01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 9.3.23.2
	ETS 300 648	TS 100 542, clause 2
	ETS 300 659-1	EN 300 951, clause 2
TSSreference:	GSM-PSTN/Supplementary_servic	es/CLIR
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID, Calling party subaddress	
values:		
Comments:		

GP xxSSCLIR02	PSTN ref. to:	PLMN ref. to:
GFXX33CLINUZ		
	EN 300 001	EN 300 940, clause 9.3.23.2
	ETS 300 648	TS 100 542, clause 2
	ETS 300 659-1	EN 300 951, clause 2
TSSreference:	GSM-PSTN/Supplementary_servic	es/CLIR
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		of the PSTN supplementary services are network t the PSTN subscriber acts like an ISDN-subscriber.

GPxxSSCOLR01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clause 9.3.5.2
	ETS 300 648	TS 100 542, clause 3
	ETS 300 659-1	EN 300 951, clause 3
TSSreference:	GSM-PSTN/Supplementary_servic	es/COLR
PSTN selection	COLR	
criteria:		
PLMN selection	The calling user is provided with C	OLP
criteria:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	The Connected number information element is network provided and delivered to the	
	calling user without any digit information. If the PSTN does not support this service, the	
	presentation indicator shall indicate "number not available due to interworking".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

GPxxSSCUG01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 546
	ETS 300 648	TS 100 569
	ETS 300 659-1	
TSSreference:	GSM-PSTN/Supplementary_servic	es/CUG
PSTN selection	The called user is not member of C	UG.
criteria:		
PLMN selection	The calling user belongs to a CUG	with outgoing access "allowed".
criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed and	
	the called user is not a CUG subscriber, the call establishment is possible.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID CUG default request	
values:		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

GPxxSSCUG02	PSTN ref. to:	PLMN ref. to:
		TS 100 546
		TS 100 569
TSSreference:	GSM-PSTN /Supplementary_service	ces/CUG
PSTN selection	The called user is not member of C	SUG.
criteria:		
PLMN selection	The calling user belong to a CUG v	vith outgoing access "not allowed"
criteria:		
Test purpose:	Ensure that when the calling user belong to CUG with outgoing access "not allowed" and the called user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID, CUG default request	
values:		
Comments:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

GPxxSSCFU01	PSTN ref. to:	PLMN ref. to:
	network operator specific	TS 100 546, clause 1
		TS 100 569, clause 1
TSSreference:	GSM-PSTN /Supplementary_s	services/CFU
PSTN selection	The user B is in network N2 ar	nd is provided with CFU("calling user is notified of call
criteria:	diversion"=Yes, with diverted-t	o number, "diverting number is released to the
	diverted-to user"=Yes).	-
PLMN selection	Call to a forwarding subscriber	(CFU)
criteria:	_	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C	
	are Notified of call diversion.	
PSTN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed	d that the PSTN subscriber acts like an ISDN-subscriber.

GPxxSSCFU02	PSTN ref. to:	PLMN ref. to:	
	network operator specific	ETS 300 543, clause 1	
		ETS 300 566, clause 1	
TSSreference:	GSM-PSTN /Supplementary_s	ervices/CFU	
PSTN selection	The user B is in network N2 an	d is provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to	o number, "diverting number is released to the	
	diverted-to User"=No).	diverted-to User"=No).	
PLMN selection	Call to a forwarding subscriber	Call to a forwarding subscriber (CFU)	
criteria:	_		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C are Notified of call diversion.		
PSTN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:		ions of the PSTN supplementary services are network	
	operator specific. It is assumed	that the PSTN subscriber acts like an ISDN-subscriber.	

GPxxSSCFB01	PSTN ref. to:	PLMN ref. to:	
	network operator specific	ETS 300 543, clause 2	
		ETS 300 566, clause 2	
TSSreference:	GSM-PSTN /Supplementary_s	ervices/CFB	
PSTN selection		d is provided with CFB ("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-te	o number, "diverting number is released to the	
	diverted-to user"=Yes).		
PLMN selection	Call to a forwarding subscriber	Call to a forwarding subscriber (CFB)	
criteria:			
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and		
	user C are notified of call diver	user C are notified of call diversion.	
PSTN parameter	CFB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network		
	operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

GPxxSSCFB02	PSTN ref. to:	PLMN ref. to:	
	network operator specific	ETS 300 543, clause 2	
		ETS 300 566, clause 2	
TSSreference:	GSM-PSTN /Supplementary_s	services/CFB	
PSTN selection	The user B is in network N2 ar	nd is provided with CFB ("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-t	o number, "diverting number is released to the	
	diverted-to User"=No).		
PLMN selection	Call to a forwarding subscriber	Call to a forwarding subscriber (CFB)	
criteria:	_		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and		
	user C are notified of call diver	rsion.	
PSTN parameter	CFB active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network		
	operator specific. It is assume	d that the PSTN subscriber acts like an ISDN-subscriber.	

GPXXSSCFNR	PSTN ref. to:	PLMN ref. to:	
	network operator specific	ETS 300 543, clause 3	
		ETS 300 566, clause 3	
TSSreference:	GSM-PSTN /Supplementary_s	GSM-PSTN /Supplementary services/CFNR	
PSTN selection criteria:		d is provided with CFNR ("calling user is notified of call	
criteria.	diverted-to user"=Yes).	diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to user"=Yes).	
PLMN selection	Call to a forwarding subscriber (CFNR)		
criteria:			
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C,		
	user A and user C are notified	of call diversion.	
PSTN parameter	CFNR active		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

GPxxSSCFNR02	PSTN ref. to:	PLMN ref. to:
	network operator specific	ETS 300 543, clause 3
		ETS 300 566, clause 3
TSSreference:	GSM-PSTN /Supplementary_service	ces/CFNR
PSTN selection		provided with CFNR ("calling user is notified of call
criteria:	diversion"=Yes, with diverted-to nu	mber, "diverting number is released to the
	diverted-to User"=No).	
PLMN selection	Call to a forwarding subscriber (CFNR)	
criteria:		
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user	
	A and user C are notified of call diversion.	
PSTN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specifications	of the PSTN supplementary services are network
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

GP xxSSCCBS01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646-1, clause 6.1.1.14
	EN 300 001	TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS supple	
criteria:	DLE is supporting the CCBS supple	ementary service
PLMN selection	OLE is supporting the CCBS supple	omontory corvice MS A is idle
criteria:	OLE is supporting the CCBS suppli	ementary service. MS A is idle.
Test purpose:	Ensure that MS A can establish a s	successful CCBS call setup
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination <b>B becomes free</b> the network shall offer subscriber A the option of recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	<b>3</b>
	The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC)	
	and Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it	
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber.	
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the	
	SETUP message.	
		ection with MS A throughout the time when
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

MS A	NETWORK
SETU	<b>D</b>

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### (Bearer capability, CC capabilities, Called party BCD number)

### DISCONNECT

((Cause #17 (User Busy) / Cause #34 (no circuit/channel available)), diagnostic=CCBSPossible, allowed actions=CCBS Possible)

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RELEASE

-----Facility (Invoke=AccessRegisterCCEntry)

RELEASE COMPLETE

Facility (Return Result (CCBS Index, AddressOfB, Sub\_AddressOfB, BasicServiceCode)) (see note)

**NETWÓRK** 

RR CONNECTION ESTABLISHED

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CM SERVICE PROMPT

<-----

START CC

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### CC ESTABLISHMENT

(Setup container)

CC ESTABLISHMENT CONFIRMED

(BC"(s)),

RECALL

Facility (Invoke=NotifySS(SS-Code=CCBS, CCBS index, AddressOfB, Sub\_AddressOfB, BasicServiceCode, Alerting Pattern))

#### SETUP

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NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.

GPxxSSCCBS02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646-1, clause 6.1.1.14
		TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	lementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supp	lementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that MS A can establish a s	successful CCBS call setup.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:	GSM-LLC=G_LLC_ID	
	GSM-HLC=G_HLC_ID	
		Compatibility (HLC) and Low Level Compatibility
	(LLC) information within the Setup	container.
	G_BC_ID_CONT	
	G_HLC_ID_CONT	Compatibility (HLC) and Low Level Compatibility
		STABLISHMENT CONFIRMED message
	G_BC_ID_CC_E_C	STADLISH WENT CONFIRMED Message
	G_LLC_ID_CC_E_C	
	G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT	
	message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information	
		urn result component including the CCBS Index and
		ressOfB and the BasicServiceCode.
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and established	
CC connection by sending a CM SERVICE PROMPT message. MS A establi		
	CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which sha include the Setup container. The MS is <b>modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) a Low Level Compatibility (LLC) information within the Setup container.	
		HMENT CONFIRMED message to the network.
		CC ESTABLISHMENT CONFIRMED message it
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber.	
	The subscriber A accepting the CC	CBS recall, the MS A shall establish a new call with the
	SETUP message.	
		nection with MS A throughout the time when
	acceptance of the CCBS Recall is	possible. Once the SETUP message is received, the
	network moves to call state N01.	

Values for testpurpose GIxxSSCCBS02	
VA_01	GSM-BC=speech
	G_BC_ID_CONT=speech
	G_BC_ID_CC_E_C=speech
	G_HLC_ID_CC_E_C=telephony
VA_02	GSM-BC=speech
	GSM-HLC=telephony
	G_BC_ID_CONT=speech
	G_HLC_ID_CONT=telephony
	G BC ID CC E C=speech
	G_LLC_ID_CC_E_C=3,1 kHz audio
	G_HLC_ID_CC_E_C=telephony
VA_03	GSM-BC=3,1 kHz audio ex PLMN
	G_BC_ID_CONT=3,1 kHz audio ex PLMN
	G_BC_ID_CC_E_C=3,1 kHz audio ex PLMN
	G_LLC_ID_CC_E_C=3,1 kHz audio ex PLMN
VA_04	GSM-BC=facsimile G3
	G_BC_ID_CONT=facsimile G3
	G_BC_ID_CC_E_C=facsimile G3
	G_HLC_ID_CC_E_C=Facsimile G2/G3
VA_05	GSM-BC=facsimile G3
	G_HLC=Facsimile G2/G3
	G_BC_ID_CONT=facsimile G3
	G_HLC_ID_CC_E_C=Facsimile G2/G3
	G_BC_ID_CC_E_C=facsimile G3

GPxxSSCCBS03	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	
criteria:		-
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that the MS A in the call pro	oceeding call state (the CCBS Recall message was
	received and the CCBS Call Set-up	p was sent)
		ed to the call with a ALERTING message
		message. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		Indication call state N12 (sending a DISCONNECT c field indicating CCBS possible, allowed
		of a RELEASE message with a FACILITY information
	element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC)	
and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the ne		
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to	
		INS A, which contains information to be presented to
	the subscriber.	PS recall the MS A shall establish a new sell with the
	SETUP message.	CBS recall, the MS A shall establish a new call with the
	MSC A shall maintain the RR conn	ection with MS A throughout the time when
	acceptance of the CCBS Recall is possible. Once the SETUP message is received	
	network moves to call state N01.	-
		e call with a ALERTING message the MS A receives
	an ALERTING message. Normal call handling continues.	

GPxxSSCCBS04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		-
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is idle.
criteria:		
Test purpose:		oceeding call state (the CCBS Recall was is received
	and the CCBS Call Set-up was ser	
		I (network has responded to the call with a ANM
	message)	
		nessage. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		Indication call state N12 (sending a DISCONNECT c field indicating CCBS possible, allowed
		of a RELEASE message with a FACILITY information
	element indicating CCBSRequest i	
	AccessRegisterCCEntry,	moke component including the
	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	
	The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC)	
	and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber.	
		BS recall, the MS A shall establish a new call with the
	SETUP message.	
		ection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	
	When user B has responded to the call with a CONNECT message the MS A receive	
	an CONNECT message. Normal call handling continues.	

GP xxSSCCBS05	PSTN ref. to:	PLMN ref. to:
		EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_servic	es/CCBS
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supp	ementary service. MS A is not idle.
criteria:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the	
	CCBS Recall and release the existing call.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GPxxSSCCBS06	PSTN ref. to:	PLMN ref. to:
		EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_servic	es/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS suppl	ementary service. MS A is not idle.
criteria:		
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

0.00000007		
GPXXSSCCBS07	PSTN ref. to:	PLMN ref. to:
		EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.3
TSSreference:	GSM-PSTN/Supplementary_servic	ces/CCBS
ISDN selection	DLE is supporting the CCBS suppl	ementary service
criteria:		
PLMN selection	OLE is supporting the CCBS supp	lementary service. MS A is idle.
criteria:		
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) the user can deactivate a specific CCBS request	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

GPxxSSCCBS08	PSTN ref. to:	PLMN ref. to: EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.4
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) the user can deactivate outstanding CCBS requests	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GPxxSSCCBS09	PSTN ref. to:	PLMN ref. to:
		EN 300 646-1, clause 6.1.1.14
		TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_servic	es/CCBS
ISDN selection	DLE is supporting the CCBS supple	ementary service
criteria:		
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter		
values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit / channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal	
	RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

# NON-SYMMETRICAL TESTS

GPxxSNMCID01	PSTN ref. to:	PLMN ref. to:
	network operator specific	EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-PSTN/Supplementary_servic	es/MCID
PSTN selection	The called (served) user is provide	d with MCID
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is	
	registered.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

GPxxSNMCID02	PSTN ref. to:	PLMN ref. to:
	network operator specific	EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-PSTN/Supplementary_servic	
PSTN selection	The called (served) user is provide	d with MCID
criteria:		
PLMN selection criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state, the call is registered.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

GPxxSNMPTY01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 100 517, TS 100 545	
TSSreference:	GSM-PSTN/Supplementary_servic	es/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network	
	N1.		
		Ensure that the user A can establish a MPTY call to user B and user C. User A is	
	terminating the entire multi party call.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then		
	user A calls user C. After call establishment user A invokes the MPTY service by		
	sending a FACILITY message to the network containing the BuildMTPY request which		
	indicates to the network that the mobile subscriber wishes all his calls to be connected		
	together in a multi party call. User A is terminating the entire multi party call.		

	DOTN web to a	
GPxxSNMPTY02	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_service	es/MPTY
PSTN selection		
criteria:		
PLMN selection criteria:	МРТҮ	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

GPxxSNMPTY03	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 100 517, TS 100 545	
TSSreference:	GSM-PSTN/Supplementary_servic	es/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2	. The PLMN user A and PLMN user C are in network	
	N1.		
	Ensure that the user A can establis	h a MPTY call to user B and user C.	
	Afterwards the remote party C disconnects itself from the call. The call clearing		
	procedure to user B is performed from user A.		
PSTN parameter			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then		
	user A calls user C. After call establishment user A invokes the MPTY service by		
	sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected		
	together in a multi party call.		

GPxxSNMPTY04	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_service	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.	
		sh a MPTY call to user B and user C and
	separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single active call.	
PSTN parameter values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GPxxSNMPTY05	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_servic	es/MPTY
PSTN selection		
criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GP xxSNMPTY06	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/MPTY	
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:		. The PLMN user A and PLMN user C are in network
	N1.	
		sh a MPTY call to user B and user C and
		ne multi-party call which is placed on hold
	(A-B ACTIVE / MPTY HELD). Use	
	After the completion of the Retrieve	e function user A terminates the multi-party call.
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to	
	the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	
	To separate the remote user B from the MPTY, the served mobile will send a SplitMPT message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	
	User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

GPxxSNMPTY07	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	TS 100 517, TS 100 545	
TSSreference:	GSM-PSTN/Supplementary_servic	es/MPTY	
PSTN selection			
criteria:			
PLMN selection	MPTY		
criteria:			
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1.		
	Ensure that the user A can establis	h a MPTY call to user B and user C and	
		e multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). User		
	User B is clearing the A-B Active ca	User B is clearing the A-B Active call.	
PSTN parameter values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.		

	PSTN ref. to:	PLMN ref. to:
GPXXSNMPTY08		
<b>TOO</b> (	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_service	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PSTN parameter	active can and the new WF F F together. User A is terminating the entite multi party can.	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

GPxxSNMPTY09	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_servic	es/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GPxxSNMPTY10	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_service	ces/MPTY
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B connection.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GPXXSNMPTY11	PSTN ref. to:	PLMN ref. to:
	EN 300 001	TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/MPTY	
PSTN selection		
criteria:		
PLMN selection	MPTY	
criteria:		
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network	
	N1.	
	Ensure that the user A can establish a MPTY call to user B and user C and	
	separate the remote user B from the multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an	
	ACTIVE -HOLD- REQUEST connection.	
	an active connection and the A-B c	e function concerning the MPTY call, the MPTY call is all has an Active-Held connection.
	(A-B HELD / MPTY ACTIVE).	
		y call. After the completion of the Retrieve function I, user B is clearing the A-B connection.
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		

	DOTH	
GPxxSNCBS01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	ETS 300 548
TSSreference:	GSM-PSTN/Supplementary_servic	es/Call barring service
PSTN selection		
criteria:		
PLMN selection	Barring of Outgoing international Calls	
criteria:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

### 7.5 Test purposes for GSM-GSM

Comments:

### 7.5.1 Test purposes for GSM-GSM, Basic call

In the following GSM-GSM Tests are used two configurations.

- By the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.
- By the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

### 7.5.1.1 Successful

# Successful Speech

GGSP01	PLMN ref. to: EN 300 940, clause 5.2	
	TS 100 976, clause 10.2	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria origin.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, no HLC	
values origin.:		
PLMN parameter	GSM-BC=speech, no HLC	
values term.:		
Comments:		

GG SP 02	PLMN ref. to:	
	EN 300 940, clause 5.2.1	
	TS 100 976, clause 10.2.1	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria origin.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

GGSP03	PLMN ref. to:	
	EN 300 940, clause 5.2	
	TS 100 976, clause 10.2	
	TS 100 905, clause 6	
	TS 100 913, clause B.2.8	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech	
PLMN selection	TS 11	
criteria origin.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

GG04	PLMN ref. to:	
	EN 300 940, clause 5.2	
	TS 100 976, clause 10.2	
	TS 100 905, clause 6	
	TS 100 913, clause B.2.8	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech/	
PLMN selection	TS 11	
criteria origin.:		
PLMN selection	TS 11	
criteria term.:		
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=speech, HLC=telephony	
values origin.:		
PLMN parameter	GSM-BC=speech, HLC=telephony	
values term.:		
Comments:		

# Successful 3,1 kHz audio, ex PLMN

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GG01	PLMN ref. to:	
	EN 300 940, clause 5.2 and 5.4	
	TS 100 976, clause 10.2	
TSSreference:	GSM-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria origin.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values term.:		
Comments:		

	PLMN ref. to:	
GGAU02		
	EN 300 940, clauses 5.2.1 and	
	5.4	
	TS 100 976, clause 10.2	
TSSreference:	GSM-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria origin.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is	
	performed correctly.	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values origin.:		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
values term.:		
Comments:		

GG03	PLMN ref. to:	
	EN 300 940, clause 5.2.1	
	TS 100 976, clause 10.2	
	TS 100 913, clause B.1.2	
TSSreference:	GSM-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection	Audio	
criteria act:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values origin.:	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values term.:	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	no LLC	
Comments:		

00 01 01		
GG04	PLMN ref. to:	
	EN 300 940, clause 5.2	
	TS 100 976, clause 10.2	
	TS 100 913, clauses B.1.2 and	
	B.2.2	
TSSreference:	GSM-GSM/Basic_call/Successful/3,1 kHz audio ex PLMN	
PLMN selection	Audio	
criteria origin.:		
PLMN selection	Audio	
criteria term.:		
Test purpose:	Ensure that the <b>GSM-BC</b> =3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode is set to MODE, user rate set to G_USER_RATE is	
	correctly mapped and the LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is	
	correctly delivered to the called user.	
	In the active call state (N10) ensure that the data transfer on the traffic channels is	
	performed correctly.	
	The call clearing procedure is performed from the called user.	
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if	
	tones/announcement are applied.	
	Ensure that in the active call state (N10) the data transfer on the traffic channels is	
	performed correctly.	
PLMN parameter		
values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE	
values origin	user rate: G_USER_RATE	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values term.:	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

Values for test purposes GGAU03; G	GAU04;
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

Successful UDI

GGUD01	PLMN ref. to: EN 300 940, clause 5.2 TS 100 976, clause 10.2	
TSSreference:	GSM-GSM/Basic_call/Successful/UDI	
PLMN selection criteria origin.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:		

GGUD02	PLMN ref. to:	
	EN 300 940, clause 5.2	
	TS 100 976, clause 10.2	
TSSreference:	GSM-GSM/Basic_call/Successful/UDI	
PLMN selection	UDI	
criteria origin.:		
PLMN selection	UDI	
criteria term.:		
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:		

GGUD03	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2
	TS 100 913, clauses B.1.2 and
	B.2.2
TSSreference:	GSM-GSM/Basic_call/Successful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that the <b>GSM-BC</b> =UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the to the called user. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC=UDI, V.110/X.30,
values origin.:	synchronous/ asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC=UDI, V.110/X.30,
	synchronous/ asynchronous mode: MODE
	user rate: USER_RATE
PLMN parameter	GSM-BC=UDI, V.110/X.30,
values term.:	synchronous/ asynchronous mode: MODE
	user rate: G_USER_RATE
	LLC=UDI, V.110/X.30,
	synchronous/ asynchronous mode: MODE
	user rate: USER_RATE
Comments:	

Values for test purpose GIDU_	_03
VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

# Successful Facsimile group 3

GGFX01	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.1.1
TSSreference:	GSM-GSM/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC=facsimile G3, no HLC
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GGFX_02	PLMN ref. to: EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clauses B.1.1.1 and
	B.2.11
TSSreference:	GSM-GSM/Basic_call/Successful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	TS 62
criteria term.	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GGFX03	PLMN ref. to:           EN 300 940, clause 5.2.1           TS 100 976, clause 10.2           TS 100 913, clause B.1.11	
TSSreference:	GSM-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria origin.	TS 62	
PLMN selection criteria origin.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to GSM-BC=facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GGFX04	PLMN ref. to:	
	EN 300 940, clause 5.2.1	
	TS 100 976, clause 10.2.2	
	TS 100 913, clauses B.1.11 and	
	B.2.11	
TSSreference:	GSM-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection	TS 62	
criteria origin.:		
PLMN selection	TS 62	
criteria term.:		
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to GSM-BC=facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values origin.:		
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values term.:		
Comments:		

# Successful

# Alternate speech and facsimile group 3

GGAF01	PLMN ref. to:
	EN 300 940, clause 5.2.1
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly
	when the calling user clears after answer.
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if
	tones/announcement are applied.
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is
	performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term .:	second GSM-BC=facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR.

GGAF02	PLMN ref. to:
	EN 300 940, clause 5.2.1
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

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GGAF03	PLMN ref. to:	
	EN 300 940, clause 5.2.1	
	TS 100 976, clause 10.2.2	
	TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria origin.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter	first GSM-BC=facsimile G3, no HLC	
values origin.:	second GSM-BC=G_BC_ID	
PLMN parameter	first GSM-BC=speech	
values term .:	second GSM-BC=facsimile G3	
Comments:		

GGAF04	PLMN ref. to:
	EN 300 940, clause 5.2.1
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=facsimile G3, no HLC
values origin.:	second GSM-BC=G_BC_ID
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GGAF05	PLMN ref. to:	
	EN 300 940, clause 5.2	
	TS 100 976, clause 10.2.2	
	TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection	TS 61	
criteria origin.:		
PLMN selection	TS 61	
criteria term.:		
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
PLMN parameter	User A and user B are subscribed to different PLMN"s	
values term .:	first GSM-BC=speech	
	second GSM-BC=facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

GGAF06	PLMN ref. to:
	EN 300 940, clause 5.2.1
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.

GGAF07	PLMN ref. to:           EN 300 940, clause 5.2.1           TS 100 976, clause 10.2.2           TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection criteria origin.:	TS 61
PLMN selection criteria term.:	TS 61
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter values origin.:	first GSM-BC=facsimile G3, no HLC second GSM-BC=G_BC_ID
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=facsimile G3
Comments:	

GGAF08	PLMN ref. to:
	EN 300 940, clause 5.2.1
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=facsimile G3, no HLC
values origin.:	second GSM-BC=G_BC_ID
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GGAF09	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC=facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

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10	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC=3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

GGAF11	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, no HLC
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, no HLC
Comments:	

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GGAF12	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 9.2.2 b
	10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC=facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GGAF13	PLMN ref. to: EN 300 940, clause 5.2 TS 100 976, clause 9.2.2 b, 10.2.2 TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC=3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3
PLMN parameter	
values term.:	
Comments:	The call set-up to the mobile will not contain a GSM BC element
	The MODIFY message in not transmitted over the ISUP.

GGAF14	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3
Comments:	

GGAF15	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=GSM-BC=facsimile G3, no HLC
values origin.:	second speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GGAF16	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=facsimile G3, no HLC
values origin.:	second GSM-BC=speech
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	The MODIFY message in not transmitted over the ISUP.

GGAF017	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a
criteria term.:	VPLMN (Visited PLMN)
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=facsimile G3, no HLC
values origin.:	second GSM-BC=speech
PLMN parameter	first GSM-BC=facsimile G3
values term.:	second GSM-BC=speech
Comments:	

GGAF18	PLMN ref. to:
	EN 300 940, clause 5.2
	TS 100 976, clause 9.2.2b,
	10.2.2
	TS 100 913, clause B.1.10
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC=Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.
PLMN parameter	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3
values origin.:	second GSM-BC=speech
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=facsimile G3, no HLC
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR
	The MODIFY message in not transmitted over the ISUP.

GGAF19	PLMN ref. to: EN 300 940, clause 5.2 TS 100 976, clause 9.2.2 b 10.2.2 TS 100 913, clause B.1.10			
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3			
PLMN selection criteria origin.:	TS 61			
PLMN selection criteria term.:	Single numbering Scheme, TS 61			
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3			
values origin.:	second GSM-BC=speech			
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3			
values term.:				
Comments:	The MODIFY message in not transmitted over the ISUP.			

GGAF20	PLMN ref. to:				
	EN 300 940, clause 5.2				
	TS 100 976, clause 10.2.2				
	TS 100 913, clause B.1.10				
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3				
PLMN selection	TS 61				
criteria origin.:					
PLMN selection	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a				
criteria term.:	VPLMN (Visited PLMN)				
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=GSM-BC=facsimile G3, HLC=Facsimile G2/G3				
values origin.:	second GSM-BC=speech				
PLMN parameter	first GSM-BC=GSM-BC=facsimile G3, HLC=Facsimile G2/G3				
values term.:	second GSM-BC=speech				
Comments:					

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### Successful Alternate Speech / Data

GG01	PLMN ref. to:				
	EN 300 940, clause 5.2				
	TS 100 976, clause 10.2.2				
	TS 100 913, clause B.1.6				
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria act:					
PLMN selection	BS 61				
criteria term.:					
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=speech				
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem				
PLMN parameter	first GSM-BC=speech				
values term.:	second GSM-BC=3,1 kHz audio ex PLMN				
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.				

GGAD02	PLMN ref. to: EN 300 940, clause 5.2 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.6				
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data				
PLMN selection	BS 61				
criteria act:					
PLMN selection	Single numbering Scheme, BS 61				
criteria term.:					
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.				
PLMN parameter	first GSM-BC=speech				
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem				
PLMN parameter					
values term.:					
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.				

GGAD03	PLMN ref. to:					
	EN 300 940, clause 5.2					
	TS 100 976, clause 10.2.2					
	TS 100 913, clause B.1.6					
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria act:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly					
	when the called user clears after answer.					
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if					
	tones/announcement are applied.					
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	first GSM-BC=speech					
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem					
PLMN parameter	first GSM-BC=speech					
values term.:	second GSM-BC=3,1 kHz audio ex PLMN					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR.					

GG04	PLMN ref. to:			
	EN 300 940, clause 5.2			
	TS 100 976, clause 10.2.2			
	TS 100 913, clause B.1.6			
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data			
PLMN selection	BS 61			
criteria act:				
PLMN selection	Single numbering Scheme, BS 61			
criteria term.:				
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem			
PLMN parameter				
values term.:				
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.			

GGAD05	PLMN ref. to:					
	EN 300 940, clause 5.2					
	TS 100 976, clause 10.2.2					
	TS 100 913, clause B.1.6					
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria origin.:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.					
PLMN parameter	first GSM-BC=speech					
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
PLMN parameter	first GSM-BC=speech					
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC					
	stored in the VLR					
	The MODIFY message in not transmitted over the ISUP.					

GG06	PLMN ref. to:					
	EN 300 940, clause 5.2					
	TS 100 976, clause 10.2.2					
	TS 100 913, clause B.1.6					
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria origin.:						
PLMN selection	Single numbering Scheme, BS 61					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.					
PLMN parameter	first GSM-BC=speech					
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
PLMN parameter						
values term.:						
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC					
	element					
	The MODIFY message in not transmitted over the ISUP.					

GG07	PLMN ref. to:					
	EN 300 940, clause 5.2					
	TS 100 976, clause 10.2.2					
	TS 100 913, B.1.6					
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria:						
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a					
criteria:	VPLMN (Visited PLMN)					
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.					
PLMN parameter	first GSM-BC=speech					
values:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
PLMN parameter	first GSM-BC=speech					
values:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
Comments:						

Values for test purposes GG	AD_	_05 to GG_	AD	_07
VA_01				Selection criteria: synchronous mode, BS 31
				MODE: synchronous
				G_USER_RATE: 1,2 kbit/s
VA_02				Selection criteria: synchronous mode, BS 32
				MODE: synchronous
				G_USER_RATE: 2,4 kbit/s
VA_03				Selection criteria: synchronous mode, BS 33
				MODE: synchronous
				G_USER_RATE: 4,8 kbit/s
VA_04				Selection criteria: synchronous mode, BS 34
				MODE: synchronous
				G_USER_RATE: 9,6 kbit/s
VA_05				Selection criteria: asynchronous mode, BS 21
				MODE: asynchronous
				G_USER_RATE: 0,3 kbit/s
VA_06				Selection criteria: asynchronous mode, BS 22
				MODE: asynchronous
				G_USER_RATE: 1,2 kbit/s
VA_07				Selection criteria: asynchronous mode, BS 24
				MODE: asynchronous
				G_USER_RATE: 2,4 kbit/s
VA_08				Selection criteria: asynchronous mode, BS 25
				MODE: asynchronous
				G_USER_RATE: 4,8 kbit/s
VA_09				Selection criteria: asynchronous mode, BS 26
				MODE: asynchronous
				G_USER_RATE: 9,6 kbit/s

GGAD08	PLMN ref. to:					
	EN 300 940, clause 5.2					
	TS 100 976, clause 10.2.2					
	TS 100 913, clause B.1.6					
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data					
PLMN selection	BS 61					
criteria origin.:						
PLMN selection	BS 61					
criteria term.:						
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are					
	correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped					
	again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band					
	data via modem, synchronous /asynchronous mode is set to MODE, user rate set to					
	USER_RATE.					
	Ensure that in the active call state (N10) the data transfer on the traffic channels is					
	performed correctly.					
PLMN parameter	first GSM-BC=speech					
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
	LLC=3,1 kHz audio, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: USER_RATE					
PLMN parameter	first GSM-BC=speech					
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
	user rate: G_USER_RATE					
	LLC=3,1 kHz audio, voice band data via modem,					
	synchronous/ asynchronous mode: MODE					
Comments:	user rate: USER_RATE					
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR					
	The MODIFY message in not transmitted over the ISUP.					

GG09	PLMN ref. to:						
	EN 300 940, clause 5.2						
	TS 100 976, clause 10.2.2						
	TS 100 913, clause B.1.6						
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data						
PLMN selection	BS 61						
criteria origin.:							
PLMN selection	Single numbering Scheme, BS 61						
criteria term.:							
Test purpose:	Ensure that the repeated GSM BC-les preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP) and the call set- up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.						
PLMN parameter	first GSM-BC=speech						
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,						
5	synchronous/ asynchronous mode: MODE						
	user rate: G_USER_RATE						
	LLC=3,1 kHz audio, voice band data via modem,						
	synchronous/ asynchronous mode: MODE						
	user rate: USER_RATE						
PLMN parameter							
values term .:							
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC						
	element						
	The MODIFY message in not transmitted over the ISUP.						

GG10	PLMN ref. to:		
	EN 300 940, clause 5.2		
	TS 100 976, clause 10.2.2		
	TS 100 913, clause B.1.6		
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and data		
PLMN selection	BS 61		
criteria term.:			
PLMN selection	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN		
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator		
	"circular"), the first indicating "speech" and the second indicating the appropriate data		
	service with the ITC "3,1 kHz audio ex PLMN synchronous /asynchronous mode is set to		
	MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		

Comments:

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VA_01	Selection criteria: synchronous mode, BS 31
	MODE: synchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32
	MODE: synchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33
	MODE: synchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34
	MODE: synchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21
	MODE: asynchronous
	USER_RATE: 0,3 kbit/s
	G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22
	MODE: asynchronous
	USER_RATE: 1,2 kbit/s
	G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24
	MODE: asynchronous
	USER_RATE: 2,4kbit/s
	G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25
	MODE: asynchronous
	USER_RATE: 4,8 kbit/s
	G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26
	MODE: asynchronous
	USER_RATE: 9,6 kbit/s
	G_USER_RATE: 9,6 kbit/s

### Successful Speech followed by data

GGFD01	PLMN ref. to:		
	EN 300 940, clause 5.2.1		
	TS 100 976, clause 10.2.2		
	TS 100 913, clause B.1.7		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	BS 81		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN,		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN,		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.		

	PLMN ref. to:		
GGFD02			
	EN 300 940, clause 5.2.1		
	TS 100 976, clause 10.2.2		
	TS 100 913, clause B.1.7		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	Single numbering Scheme, BS 81;		
criteria term.:			
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN,		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.		

GGFD03	PLMN ref. to:		
	EN 300 940, clause 5.2.1		
	TS 100 976, clause 10.2.2		
	TS 100 913, clause B.1.7		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data/		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	BS 81		
criteria term.:			
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly		
	when the calling user clears after answer.		
	Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if		
	tones/announcement are applied.		
	Ensure that in the active call state (N10) the voice transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC		
	stored in the VLR.		

GGFD04	PLMN ref. to:		
	EN 300 940, clause 5.2.1		
	TS 100 976, clause 10.2.2		
	TS 100 913, clause B.1.7		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data/		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	Single numbering Scheme, BS 81;		
criteria term.:			
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem		
PLMN parameter			
values term.:			
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.		

GGFD05	PLMN ref. to:           EN 300 940, clause 5.2           TS 100 976, clause 10.2.2           TS 100 913, clauses B.1.7 and		
<b>T</b> 00(	B.2.7.2		
TSSreference: PLMN selection	GSM-GSM/Basic_call/Successful/Speech followed by data/		
	BS 81		
criteria origin.: PLMN selection	BS 81		
criteria term.:	DS 01		
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous /asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G USER RATE		
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.		

GGFD06	PLMN ref. to:		
	EN 300 940, clause 5.2		
	TS 100 976, clause 10.2.2		
	TS 100 913, clauses B.1.7 and		
	B.2.7.2		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	Single numbering Scheme, BS 81;		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC=3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode: MODE user rate: G_USER_RATE		
PLMN parameter			
values term .:			
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC		
	element		
	The MODIFY message in not transmitted over the ISUP.		

GGFD07	PLMN ref. to:           EN 300 940, clause 5.2           TS 100 976, clause 10.2.2           TS 100 913, clauses B.1.7 and           B.2.7.2		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a		
criteria term.:	VPLMN (Visited PLMN)		
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous /asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values act:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE		
PLMN parameter	first GSM-BC=speech		
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
Comments:			

Values for test purposes GGF	D05 to GG_	_FD_	_07
VA_01			Selection criteria: synchronous mode, BS 31
			MODE: synchronous
			G_USER_RATE: 1,2 kbit/s
VA_02			Selection criteria: synchronous mode, BS 32
			MODE: synchronous
			G_USER_RATE: 2,4 kbit/s
VA_03			Selection criteria: synchronous mode, BS 33
			MODE: synchronous
			G_USER_RATE: 4,8 kbit/s
VA_04			Selection criteria: synchronous mode, BS 34
			MODE: synchronous
			G_USER_RATE: 9,6 kbit/s
VA_05			Selection criteria: asynchronous mode, BS 21
			MODE: asynchronous
			G_USER_RATE: 0,3 kbit/s
VA_06			Selection criteria: asynchronous mode, BS 22
			MODE: asynchronous
			G_USER_RATE: 1,2 kbit/s
VA_07			Selection criteria: asynchronous mode, BS 24
			MODE: asynchronous
			G_USER_RATE: 2,4 kbit/s
VA_08			Selection criteria: asynchronous mode, BS 25
			MODE: asynchronous
			G_USER_RATE: 4,8 kbit/s
VA_09			Selection criteria: asynchronous mode, BS 26
			MODE: asynchronous
			G_USER_RATE: 9,6 kbit/s

GG FD 08	PLMN ref. to:			
	EN 300 940, clause 5.2.1			
	TS 100 976, clause 10.2.2			
	TS 100 913, clauses B.1.7 and			
	B.2.7.1,			
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data			
PLMN selection	BS 81			
criteria origin.:				
PLMN selection	BS 81			
criteria term.:				
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous /asynchronous mode is set to MODE, user rate set to USER_RATE).			
	Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.			
PLMN parameter	first GSM-BC=speech			
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,			
	synchronous/ asynchronous mode: MODE			
	user rate: G_USER_RATE			
	LLC=3,1 kHz audio, voice band data via modem,			
	synchronous/ asynchronous mode: MODE			
	user rate: USER_RATE			
PLMN parameter	first GSM-BC=speech			
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,			
	synchronous/ asynchronous mode: MODE			
	user rate: G_USER_RATE			
	LLC=3,1 kHz audio, voice band data via modem,			
	synchronous/ asynchronous mode: MODE			
	user rate: USER_RATE			
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC			
	stored in the VLR			
	The MODIFY message in not transmitted over the ISUP.			

GGFD09	PLMN ref. to:		
	EN 300 940, clause 5.2.1		
	TS 100 976, clause 10.2.2		
	TS 100 913, clauses B.1.7 and		
	B.2.7.1,		
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data		
PLMN selection	BS 81		
criteria origin.:			
PLMN selection	Single numbering Scheme, BS 81;		
criteria term.:			
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.		
PLMN parameter	first GSM-BC=speech		
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
_	synchronous/ asynchronous mode: MODE		
	user rate: G_USER_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter			
values term.:			
Comments:	The call set-up to the mobile will not contain a GSM BC element		
	The MODIFY message in not transmitted over the ISUP.		

00 FD 40		
GGFD10	PLMN ref. to:	
	EN 300 940, clause 5.2.1	
	TS 100 976, clause 10.2.2	
	TS 100 913, clauses B.1.7and	
	B.2.7.1	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection	BS 81	
criteria origin.:		
PLMN selection	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a	
criteria term.:	VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN	
	(Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator	
	"sequential"), the first indicating "speech" and the second indicating the appropriate data	
	service with the ITC "3,1 kHz audio ex PLMN, synchronous /asynchronous mode is set	
	to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called	
	user.	
	Ensure that in the active call state (N10) the data transfer on the traffic channels is	
	performed correctly.	
PLMN parameter	first GSM-BC=speech	
values origin.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: G USER RATE	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER RATE	
PLMN parameter	first GSM-BC=speech	
values term.:	second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: G USER RATE	
	LLC=3,1 kHz audio, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
Comments:		

Values for test purposes GGFD	08 to GGFD_	_10
VA_01		Selection criteria: synchronous mode, BS 31
		MODE: synchronous
		USER_RATE: 1,2 kbit/s
		G_USER_RATE: 1,2 kbit/s
VA_02		Selection criteria: synchronous mode, BS 32
		MODE: synchronous
		USER_RATE: 2,4kbit/s
		G_USER_RATE: 2,4 kbit/s
VA_03		Selection criteria: synchronous mode, BS 33
		MODE: synchronous
		USER_RATE: 4,8 kbit/s
		G_USER_RATE: 4,8 kbit/s
VA_04		Selection criteria: synchronous mode, BS 34
		MODE: synchronous
		USER_RATE: 9,6 kbit/s
		G_USER_RATE: 9,6 kbit/s
VA_05		Selection criteria: asynchronous mode, BS 21
		MODE: asynchronous
		USER_RATE: 0,3 kbit/s
		G_USER_RATE: 0,3 kbit/s
VA_06		Selection criteria: asynchronous mode, BS 22
		MODE: asynchronous
		USER_RATE: 1,2 kbit/s
		G_USER_RATE: 1,2 kbit/s
VA_07		Selection criteria: asynchronous mode, BS 24
		MODE: asynchronous
		USER_RATE: 2,4kbit/s
		G_USER_RATE: 2,4 kbit/s
VA_08		Selection criteria: asynchronous mode, BS 25
		MODE: asynchronous
		USER_RATE: 4,8 kbit/s
		G_USER_RATE: 4,8 kbit/s
VA_09		Selection criteria: asynchronous mode, BS 26
		MODE: asynchronous
		USER_RATE: 9,6 kbit/s
		G_USER_RATE: 9,6 kbit/s

### Successful HSCSD - 3,1 kHz

GGHA01	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1	EN 300 940	
		TS 100 976	
		TS 101 038	
TSSreference:	GSM-GSM/Basic_call/Su	ccessful/HSCSD - 3,1 kHz	
PLMN selection	HSCSD, 3,1 kHz		
criteria origin.:			
PLMN selection	HSCSD, 3,1 kHz		
criteria term.			
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is		
PLMN parameter	performed correctly. GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
values origin.:	synchronous/asynchronous mode: MODE		
values origini.	fix network user rate: FNL		
	maximum number of traff		
	air interface user rate: All		
	acceptable channel coding: TCH_FX_X		
PLMN parameter		ex PLMN, voice band data via modem,	
values term.:	synchronous/ asynchrono		
	fix network user rate: FNL		
Commonto	IIX HELWOIK USEI TALE. FING		
Comments:			

GGHA02	PLMN ref. to:		
	EN 300 940		
	TS 100 976		
	TS 101 038		
TSSreference:	GSM-GSM/Basic_call/Successful/HSCSD - 3,1 kHz		
PLMN selection	HSCSD, 3,1 kHz		
criteria origin.:			
PLMN selection	HSCSD, 3,1 kHz		
criteria term.			
Test purpose:	Ensure that the <b>GSM-BC</b> with the parameter values: 3,1 kHz audio ex PLMN, voice band		
	data via modem, synchronous/ asynchronous mode is set to MODE, fix network user		
	rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air		
	interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and		
	the LLC parameter values: 3,1 kHz audio, voice band data via modem,		
	synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is		
	correctly mapped and delivered to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
values origin.:	synchronous/asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,		
values term.:	synchronous/ asynchronous mode: MODE		
	fix network user rate: FNU_RATE		
	LLC=3,1 kHz audio, voice band data via modem,		
	synchronous/ asynchronous mode: MODE		
-	user rate: USER_RATE		

Comments:

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Values for test purpose GGHA01 and GG	_HA02
VA_01	MODE: synchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 3
	AIU_RATE: 14,4 kbit/s
VA 02	TCH_FX_X: 4,8
VA_02	MODE: synchronous USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 2
	AIU_RATE: 19,2
	TCH_FX_X: 9,6
VA_03	MODE: synchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 3
	AIU_RATE: 28,8 kbit/s
VA 04	TCH_FX_X: 9,6
VA_04	MODE: synchronous USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8 kbit/s
	TCH_FX_X: 9,6
VA_05	MODE: synchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
	No_TCH: 4
	AIU_RATE: 57,6 kbit/s
VA 00	TCH_FX_X: 14,4
VA_06	MODE: synchronous
	USER_RATE: 56,0 kbit/s FNU_RATE: 56,0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57,6
	TCH_FX_X: 14,4
VA_07	MODE: asynchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 1
	AIU_RATE: 14,4
VA_08	TCH_FX_X:14,4
VA_00	MODE: asynchronous USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
	TCH_FX_X: 4,8
VA_09	MODE: asynchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 2
	AIU_RATE: 28,8
VA_10	TCH_FX_X:14,4 MODE: asynchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8 TCH_FX_X:9,6
VA_11	AIU_RATE: 38,8
VA_11	AIU_RATE: 38,8 TCH_FX_X:9,6
VA_11	AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s
VA_11	AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4
VA_11	AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

#### Successful HSCSD - data

GGHU01	PLMN ref. to:		
	EN 300 940		
	TS 100 976		
	TS 101 038		
TSSreference:	GSM-GSM/Basic_call/Successful/HSCSD - UDI		
PLMN selection	HSCSD, UDI		
criteria origin.:			
PLMN selection	HSCSD, UDI		
criteria term.			
Test purpose:	Ensure that the <b>GSM-BC</b> with the parameter values: information transfer capability UDI,		
	V.110/X.30, synchronous/ asynchronous mode is set to MODE, fix network user rate set		
	to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface		
	user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly		
	mapped to the called user.		
	Ensure that in the active call state (N10) the data transfer on the traffic channels is		
	performed correctly.		
PLMN parameter	GSM-BC=UDI, V.110/X.30		
values origin.:	Synchronous/asynchronous mode: MODE		
	Fix network user rate: FNU_RATE		
	Maximum number of traffic channels: No_TCH,		
	air interface user rate: AIU_RATE		
	acceptable channel coding: TCH_FX_X		
PLMN parameter	GSM-BC=information transfer capability: UDI		
values term.:	rate adaptation: V.110/X.30,		
	synchronous/asynchronous mode: MODE,		
	fix network user rate: FNU_RATE		
Comments:			

	DI MNI ref. ter	
GGHU02	PLMN ref. to:	
	EN 300 940	
	TS 100 976	
	TS 101 038	
TSSreference:	GSM-ISDN/Basic_call/Successful/H	ISCSD - UDI
PLMN selection	HSCSD, UDI	
criteria origin.:		
PLMN selection	HSCSD, UDI	
criteria term.		
Test purpose:	V.110/X.30, synchronous/ asynchro to FNU_RATE, maximum number of user rate set to AIU_RATE, accepta parameter values: information trans asynchronous mode is set to MODE and delivered to the called user.	arameter values: information transfer capability UDI, bnous mode is set to MODE, fix network user rate set of traffic channels set to No_TCH, wanted air interface able channel coding set to TCH_FX_X and the <b>LLC</b> after capability UDI, V.110/X.30, synchronous/ E, user rate set to USER_RATE is correctly mapped the data transfer on the traffic channels are performed
PLMN parameter	GSM-BC=UDI, V.110/X.30,	
values origin.:	synchronous/asynchronous mode:	MODE
5	fix network user rate: FNU_RATE	
	maximum number of traffic channel	s: No. TCH.
	air interface user rate: AIU RATE	
	acceptable channel coding: TCH_F	хх
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mode:	MODE
	user rate: USER_RATE	
PLMN parameter	GSM-BC=information transfer capa	bility: UDI
values term.:	rate adaptation: V.110/X.30,	~
	synchronous/asynchronous mode:	MODE.
	fix network user rate: FNU_RATE	
	LLC=information transfer capability	UDI
	rate adaptation: V.110/X.30,	
	synchronous/asynchronous mode:	MODE
	user rate: USER_RATE	
Comments:		

Values for test purpose GGHU01 and GGH	HU02
VA_01	MODE: synchronous
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 3
	AIU_RATE: 14,4 kbit/s
VA 00	TCH_FX_X: 4,8
VA_02	MODE: synchronous
	USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s
	No_TCH: 2
	AIU_RATE: 19,2
	TCH_FX_X: 9,6
VA_03	MODE: synchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 3
	AIU_RATE: 28,8 kbit/s
	TCH_FX_X: 9,6
VA_04	MODE: synchronous
	USER_RATE: 38,4 kbit/s
	FNU_RATE: 38,4 kbit/s
	No_TCH: 4
	AIU_RATE: 38,8 kbit/s
	TCH_FX_X: 9,6
VA_05	MODE: synchronous
	USER_RATE: 48,0 kbit/s
	FNU_RATE: 48,0 kbit/s
	AIU_RATE: 57,6 kbit/s
VA_06	TCH_FX_X: 14,4 MODE: synchronous
VA_00	USER_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57,6
	TCH_FX_X: 14,4
VA_07	MODE: asynchronous
_	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 1
	AIU_RATE: 14,4
	TCH_FX_X:14,4
VA_08	MODE: asynchronous
	USER_RATE: 19,2 kbit/s
	FNU_RATE: 19,2 kbit/s
	No_TCH: 4
	AIU_RATE: 19,2
VA_09	TCH_FX_X: 4,8 MODE: asynchronous
VA_09	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s
	No_TCH: 2
	AIU_RATE: 28,8
	TCH_FX_X:14,4
VA_10	$\cdot$ $  \cdot$
	MODE: asynchronous
	MODE: asynchronous USER_RATE: 38,4 kbit/s
	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4
	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s
	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6
VA_11	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous
VA_11	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s
VA_11	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s
VA_11	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4
VA_11	USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6 MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

#### 7.5.1.2 Unsuccessful

## Unsuccessful speech

GGSP_U01	PLMN ref. to:
	EN 300 940, clause H.1.1
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GGSP_U02	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter values origin.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").

GGSP_U03	PLMN ref. to: EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	
values term.:	
Comments:	

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GGSP_U04	PLMN ref. to:
	EN 300 940, H.1.7
	TS 100 974, clauses 18.2 and
	18.3.2
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GGSP_U05	PLMN ref. to: EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection criteria origin.:	TS 11
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values origin.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

GGSP_U06	PLMN ref. to: EN 300 940, clauses 5.2.1 and H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection criteria origin.:	TS 11
PLMN selection criteria term.:	TS 11
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.
PLMN parameter values origin.:	GSM-BC=speech
PLMN parameter values term.:	GSM-BC=speech
Comments:	

GGSP_U07	PLMN ref. to:
	EN 300 940, clause H.5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	TS 11
criteria term.:	
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.
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	GSM-BC=speech
values term.	
Comments:	

GGSP_U08	PLMN ref. to:
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection	TS 11
criteria origin.:	
PLMN selection	TS 11
criteria term.:	
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.
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	GSM-BC=speech
values term.	
Comments:	

GGSP_U09	PLMN ref. to: EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech
PLMN selection criteria origin.:	TS 11
PLMN selection criteria term.:	TS 11
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=speech
values origin.:	
PLMN parameter	GSM-BC=speech
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

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# Unsuccessful

## 3,1 kHz audio ex PLMN

GGAU_U01	PLMN ref. to:
	EN 300 940, clause H.1.1
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GGAU_U02	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term .:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

GGAU_U03	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	
Comments:	

GGAU_U04	PLMN ref. to: EN 300 940, H.1.7 TS 100 974, clauses 18.2 and 18.3.2
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection criteria origin.:	Audio
PLMN selection criteria term.:	Audio
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

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GGAU_U05	PLMN ref. to:
	EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term .:	
Comments:	

GGAU_U06	PLMN ref. to:
	EN 300 940, clauses 5.2.2.3.1
	and H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
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.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term .:	
Comments:	

GGAU_U07	PLMN ref. to: EN 300 940, clauses B.3.2 and H.5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

GG AU U08	PLMN ref. to:
00 <u></u> A0_000	
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
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.
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term .:	
Comments:	

GGAU_U09	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN
PLMN selection	Audio
criteria origin.:	
PLMN selection	Audio
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

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## Unsuccessful UDI

GGUD_U01	PLMN ref. to:
	EN 300 940, clause H.1.1
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GGUD_U02	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

GGUD_U03	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GGUD_U04	PLMN ref. to: EN 300 940, clause H.1.7
	TS 100 974, clauses 18.2 and 18.3.2
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GGUD_U05	PLMN ref. to: EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria act:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption
Comments:	

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GGUD_U06	PLMN ref. to: EN 300 940,
	clauses 5.2.2.3.1 and H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
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.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
Comments:	

GG UD U07	PLMN ref. to:
	EN 300 940, clause H.5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term.:	
Comments:	

GGUD_U08	PLMN ref. to:
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.	
PLMN selection	UDI
criteria term.:	
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.
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term .:	
Comments:	

GGUD_U09	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI
PLMN selection	UDI
criteria origin.:	
PLMN selection	UDI
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values origin.:	
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adaption
values term .:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

# Unsuccessful

## Facsimile group 3

GGFX_U01	PLMN ref. to:
	EN 300 940, clause H.1.1
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	GSM-BC=facsimile G3, no HLC
values origin.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GGFX_U02	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").

GGFX_U03	PLMN ref. to: EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.
PLMN parameter	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GGFX_U04	PLMN ref. to:
	EN 300 940, clause H.1.7
	TS 100 974, clauses 18.2 and
	18.3.2
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria origin.:	
PLMN selection	TS 62
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR
	(MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GGFX_U05	PLMN ref. to: EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection criteria act:	TS 62
PLMN selection	TS 62
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter values origin.:	GSM-BC=facsimile G3
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
Comments:	

GGFX_U06	PLMN ref. to:
	EN 300 940, clauses 5.2.1 and
	H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
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.
PLMN parameter	GSM-BC=facsimile group 3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GG FX U07	PLMN ref. to:
00FA_007	
	EN 300 940, clause H. 5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 11
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	

GGFX_U08	PLMN ref. to:
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection	TS 62
criteria act:	
PLMN selection	TS 62
criteria term.:	
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.
PLMN parameter	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term .:	
Comments:	

GGFX_U09	PLMN ref. to: EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3
PLMN selection criteria origin.:	TS 62
PLMN selection criteria term.:	TS 62
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".
PLMN parameter values origin.:	GSM-BC=facsimile G3
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

### Unsuccessful

## Alternate speech and facsimile group 3

GGAF_U01	PLMN ref. to:
	EN 300 940, clause H.1.1
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.

GGAF_U02	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE
	COMPLETE indicating cause value #17 "user busy", the network transport the cause
	value to the calling user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=Facsimile G3
Comments:	

GGAF_U03	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term .:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GGAF_U04	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the
	calling user indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	

GGAF_U05	PLMN ref. to:
	EN 300 940, H.1.7
	TS 100 974, clauses 18.2 and
	18.3.2
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria origin.:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call
	clearing to the calling user with cause value #18 "no user responding".
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.

GGAF_U06	PLMN ref. to:
	EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=Facsimile G3
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
Comments:	

GGAF_U07	PLMN ref. to:
	EN 300 940, clause H.1.8
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".
PLMN parameter	first GSM-BC=speech
values term .:	second GSM-BC=Facsimile G3
PLMN parameter	
values origin .:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GGAF_U08	PLMN ref. to:
	EN 300 940, clauses 5.1 and
	H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
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.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	first GSM-BC=speech
values term .:	second GSM-BC=Facsimile G3
Comments:	

GGAF_U09	PLMN ref. to:
	EN 300 940, clauses 5.1 and
	H.1.9
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GGAF_U10	PLMN ref. to:
	EN 300 940, clause H.5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	a) first GSM-BC=speech
values term.:	second GSM-BC=Facsimile G3
Comments:	

GGAF_U11	PLMN ref. to:
	EN 300 940, clause H.5.3
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GG AF U12	PLMN ref. to:
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
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.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	first GSM-BC=speech
values term .:	second GSM-BC=Facsimile G3
Comments:	

GGAF_U13	PLMN ref. to:
	EN 300 940, clause H.1.5
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term.:	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.

GGAF_U14	PLMN ref. to:
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	TS 61
criteria term.:	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate
	call clearing to the calling user with a DISCONNECT message indicating cause value
	#17 "user busy".
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	first GSM-BC=speech
values term.:	second GSM-BC=Facsimile G3
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

GG AF U15	PLMN ref. to:
GGAF_015	
	EN 300 940, clause H.1.6
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3
PLMN selection	TS 61
criteria act:	
PLMN selection	Single numbering Scheme, TS 61
criteria term .:	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after
	being alerted, the network initiate call clearing to the calling user with a DISCONNECT
	message indicating cause value #17 "user busy".
PLMN parameter	first GSM-BC=speech
values origin.:	second GSM-BC=Facsimile G3
PLMN parameter	
values term.:	
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC
	element, except in the case when user A and user B are subscribed to the same PLMN
	and user B is roaming in a VPLMN.
	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).

#### 7.5.2 Test purposes for GSM-GSM Supplementary services

#### **Supplementary Services**

GGxxSSCLIP01	PLMN ref. to:	
	EN 300 940, clause 9.3.23.2	
	ETS 300 542, clause 1	
	ETS 300 565, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CLIP	
PLMN selection	CLIP	
criteria origin.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the	
	Calling party number and Calling party subaddress information elements are correctly	
	delivered to the called (served) user.	
PLMN parameter	GSM-BC=I_BC_ID	
values term.:	Calling party subaddress	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:	Calling party number: PI=PA, TON=national/international number, SI=NP,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
Comments:		

GGxxSSCLIP02	PLMN ref. to:	
	EN 300 940, clause 9.3.23.2	
	ETS 300 542, clause 1	
	ETS 300 565, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CLIP	
PLMN selection	CLIP	
criteria origin.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:		
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.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin .:		
PLMN parameter	GSM-BC=G_BC_ID	
values term .:	Calling party number: PI=PA SI=NP TON=national/international number,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
Comments:		

GGxxSSCLIR01	PLMN ref. to:	
	EN 300 940, clause 9.3.23.2	
	ETS 300 542, clause 2,	
	ETS 300 565, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CLIR	
PLMN selection	CLIR	
criteria origin.:		
PLMN selection	The called user is provided with CLIP	
criteria term.:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
PLMN parameter	GSM-BC=G_BC_ID, Calling party subaddress	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

PLMN ref. to:	
EN 300 940, clause 9.3.23.2	
ETS 300 542, clause 2	
ETS 300 565, clause 2	
GSM-GSM/Supplementary_services/CLIR	
CLIR	
The called user is provided with CLIP	
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 information element is delivered to the called user without any digit information.	
GSM-BC=G_BC_ID	
Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	

GGxxSSCOLP01	PLMN ref. to:	
	EN 300 940, clause 9.3.5.2	
	ETS 300 542, clause 3	
	ETS 300 565, clause 3	
TSSreference:	GSM-GSM/Supplementary_services	/COLP
PLMN selection	The calling user is provided with COI	_P
criteria origin.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:	Connected number PI=PA, SI=NP, TON=national/international number,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
	Connected subaddress	
PLMN parameter	Connected subaddress	
values term.:		
Comments:		

GGxxSSCOLP02	PLMN ref. to: EN 300 940, clause 9.3.5.2 ETS 300 542, clause 3	
	ETS 300 565, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/COLP	
PLMN selection	The calling user is provided with COLP	
criteria origin.:		
PLMN selection	COLP	
criteria term.:		
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:	Connected number: SI=NP TON=national/international number, PI=PA,	
	NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCOLR01	PLMN ref. to:	
	EN 300 940, clause 9.3.5.2	
	ETS 300 542, clause 3	
	ETS 300 565, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/COLR	
PLMN selection	The calling user is provided with COLP	
criteria origin.:		
PLMN selection	COLR	
criteria term.:		
Test purpose:	The called (served) user is provided with COLR permanent mode subscription.	
	Ensure that when No Connected subaddress is provided by the called user, the	
	Connected number information element is network provided and delivered to the calling	
	user without any digit information.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:	Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
PLMN parameter		
values term .:		
Comments:		

GG xxSSCUG01	PLMN ref. to:	
GGX33C0G01		
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG	
criteria origin.:		
PLMN selection	Calling user and called user belong to the same CUG;	
criteria term.:	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not	
	allowed, not outgoing calls barred within the CUG and not preferential CUG and the	
	<b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE	
	which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG	
	(SPC), Suppress OA (SOA)	
	the called user receives a SETUP message with a Facility IE which contains an CUG	
	index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term .:		
Comments:		

GGxxSSCUG02	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG	
criteria origin.:		
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	Calling user and called user belong to the same CUG;	
	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term.:		
Comments:		

GGxxSSCUG03	PLMN ref. to:		
	TS 100 546		
	TS 100 569		
TSSreference:	GSM-GSM/Supplementary_services/CUG		
PLMN selection	CUG supplementary options: not OA; not ocb; not Pref. CUG,		
criteria origin.:	the calling user is roaming in a VPLMN (Visited PLMN)		
PLMN selection	Calling user and called are subscribed to the same HPLMN;		
criteria term.:	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;		
	Calling user and called user belong to the same CUG;		
	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not		
	allowed, not outgoing calls barred within the CUG and not preferential CUG and the		
	called user belongs to the same CUG with incoming access allowed and not incoming		
	calls barred within the CUG, after the receipt of a SETUP message with the Facility IE		
	which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG		
	(SPC), Suppress OA (SOA)		
	the called user receives a SETUP message with a Facility IE which contains an CUG		
	index associated with the invoked CUG.		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values origin.:	Suppress Pref. CUG (SPC);		
	Suppress OA (SOA)		
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))		
values term.:			
Comments:			

GGxxSSCUG04	PLMN ref. to:		
	TS 100 546		
	TS 100 569		
TSSreference:	GSM-GSM/Supplementary_services/CUG		
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;		
criteria origin.:	not ocb; not Pref. CUG		
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary		
criteria term.:	options: IA; not ICB		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);		
values origin.:	Suppress Pref. CUG (SPC);		
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))		
values term.:			
Comments:			

GGxxSSCUG05	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to the <b>same</b> CUG with the following CUG supplementary	
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term .:		
Comments:		

GGxxSSCUG06	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria origin.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPLMN (Visited PLMN)	
PLMN selection	Calling user and called are subscrib	bed to the same HPLMN;
criteria term.:	5	me VPLMN (Visited PLMN) of the calling user;
		e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA);	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invok	e=NotifySS(CUG-Index))
values term.:		
Comments:		

GGxxSSCUG07	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term.:		
Comments:		

GGxxSSCUG08	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	s/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: OA;
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLI	<b>WN</b> (Visited PLMN);
	The called user belongs to the same	e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term.:		
Comments:		

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GGxxSSCUG09	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria origin.:	not ocb; not Pref. CUG	
	the calling user is roaming in a <b>VPLMN</b> (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;	
	the called user belongs to the same CUG with the following CUG supplementary options:	
	IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not	
	outgoing calls barred within the CUG and not preferential CUG and the called user	
	belongs to the same CUG with incoming access allowed and not incoming calls barred	
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall	
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP message with a Facility IE which contains an CUG	
	index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term .:		
Comments:		

GGxxSSCUG10	PLMN ref. to: TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user belongs to the same CUG with the following CUG supplementary options: <b>OA; not ocb; not Pref. CUG</b>	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

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GGxxSSCUG11	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary	
criteria origin.:	options: OA; not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	The called user belongs to CUG with the following CUG supplementary options: IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GG xxSSCUG12	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	s/CUG
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary	
criteria origin.:	options: OA; not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
		th the following CUG supplementary options: IA; ICB
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term .:		
Comments:		

GGxxSSCUG13	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCUG14	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a <b>VPLMN</b> (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary	
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCUG15	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services	:/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: OA;	
criteria origin.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	MN (Visited PLMN).
PLMN selection	Calling user and called are subscribe	ed to the <b>same</b> HPLMN;
criteria term.:	the called user is roaming in the sam	ne VPLMN (Visited PLMN) of the calling user;
	The called user belongs to the same	CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-I	nfo: Suppress Pref. CUG (SPC);
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

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GGxxSSCUG16	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	The called user is not a CUG subscriber	
criteria term.:		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message (normal call).	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GG xxSSCUG17	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG,	
	the calling user is roaming in a <b>VPLMN</b> (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;	
	The called user is not a CUG subscriber	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed,	
	not outgoing calls barred within the CUG and not preferential CUG and the called user	
	belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which	
	shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),	
	the called user receives a SETUP.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCUG18	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user is not member of CUG	
criteria origin.:		
PLMN selection	The called user belongs to CUG with the following CUG supplementary options: not IA;	
criteria term.:	not ICB	
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG19	PLMN ref. to:
	TS 100 546
	TS 100 569
TSSreference:	GSM-GSM/Supplementary_services/CUG
PLMN selection	The calling user is not member of CUG,
criteria origin.:	the calling user is roaming in a VPLMN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the same HPLMN;
criteria term.:	the called user is roaming in the same VPLMN (Visited PLMN) of the calling user;
	The called user belongs to CUG with the following CUG supplementary options: <b>not IA</b> ; <b>not ICB</b>
Test purpose:	Ensure that when the <b>calling</b> user has not subscribed to the CUG and the <b>called</b> user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GG xxSSCUG20	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: not	
criteria origin.:	OA; not ocb; not Pref. CUG	
PLMN selection	The called user is not member of CUG	
criteria term.:		
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG21	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	es/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: not
criteria origin.:	OA; not ocb; not Pref. CUG,	
	the calling user is roaming in a VPL	MN (Visited PLMN).
PLMN selection	Calling user and called are subscril	ped to the same HPLMN;
criteria term.:	the called user is roaming in the sa	me VPLMN (Visited PLMN) of the calling user;
	The called user is not member of C	UG
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	Info: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);	
	Suppress OA (SOA)	
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG22	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;	
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with the following CUG supplementary	
criteria term.:	options: not IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG23	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	s/CUG
PLMN selection	The calling user belongs to a CUG	with the following CUG supplementary options: <b>OA</b> ;
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);
	The called user belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

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GGxxSSCUG24	PLMN ref. to:
	TS 100 546
	TS 100 569
TSSreference:	GSM-GSM/Supplementary_services/CUG
PLMN selection	The calling user belongs to a CUG with the following CUG supplementary options: <b>OA</b> ;
criteria origin.:	not ocb; not Pref. CUG,
_	the calling user is roaming in a <b>VPLMN</b> (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the same HPLMN;
criteria term.:	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;
	The called user belongs to the same CUG with the following CUG supplementary
	options: not IA; ICB;
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access is allowed,
	not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user
	belongs to the same CUG with incoming access is not allowed and incoming calls barred
	within the CUG, after the receipt of a SETUP message with the Facility IE which shall
	contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC),
	call establishment is not possible and the network initiate call clearing to the calling user
	with cause value #55 "incoming calls barred within CUG".
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);
PLMN parameter	
values term .:	
Comments:	

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Comments:		
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
criteria term.:	CUG supplementary options: not IA; not ICB.	
PLMN selection	Calling user and called user belong to the same CUG:	
PLMN selection criteria origin.:	CUG supplementary options: not OA; not OCB; not Pref. CUG	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
	13 100 309	

GGxxSSCUG26	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria origin.:		
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:	the called user is roaming in a VPLMN (Visited PLMN);	
	calling user and called user belong to the <b>same</b> CUG;	
	CUG supplementary options: not IA; not ICB.	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term.:		
Comments:		

GGxxSSCUG27	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not OA; not OCB; not Pref. CUG	
criteria origin.:	the calling user is roaming in a VPLMN (Visited PLMN).	
PLMN selection	Calling user and called are subscribed to the <b>same</b> HPLMN;	
criteria term.:	the called user is roaming in the same <b>VPLMN</b> (Visited PLMN) of the calling user;	
	calling user and called user belong to the same CUG;	
	CUG supplementary options: not IA; not ICB.	
Test purpose:	Ensure that when the <b>calling</b> user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the <b>called</b> user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
values term.:		
Comments:		

GGxxSSSUB01	PLMN ref. to:
	EN 300 940, clause 9.3.23.1.5
TSSreference:	GSM-GSM/Supplementary_services/SUB
PLMN selection	SUB
criteria origin.:	
PLMN selection	The called (served) user is provided with SUB
criteria term.:	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	
values term.:	
Comments:	

GGxxSSSUB02	PLMN ref. to:	
	EN 300 940, clause 9.3.23.1.5	
TSSreference:	GSM-GSM/Supplementary_services/SUB	
PLMN selection	SUB	
criteria origin.:		
PLMN selection	SUB	
criteria term.:		
Test purpose:	Ensure that when the Called party 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	
PLMN parameter	GSM-BC=G_BC_ID, Called party subaddress	
values term.:		
PLMN parameter	GSM-BC=G_BC_ID, Called party subaddress	
values origin.:		
Comments:		

GGxxSSCFU01	PLMN ref. to:
	ETS 300 566, clause 1
	ETS 300 543, clause 1
TSSreference:	GSM-GSM/Supplementary_services/CFU
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call
criteria term.:	diversion"= <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message, user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFUactive
values term.:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFU02	PLMN ref. to: ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-GSM/Supplementary_services/CFU/GGxxSSCFU02
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion"= <b>No</b> ).
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User <b>A</b> is not notified of call diversion. User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call diversion.
PLMN parameter values origin.:	A: ! GSM-BC=G_BC_ID
PLMN parameter values term.:	CFUactive <b>C:</b> ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFB01	PLMN ref. to:
	ETS 300 566, clause 2
	ETS 300 543, clause 2
TSSreference:	GSM-GSM/Supplementary_services/CFB
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of
criteria term.:	call diversion"=Yes; "notification to forwarding subscriber"=Yes).
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call diversion. User <b>B</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFB-NDUB active
values term.:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFB02	PLMN ref. to:
	ETS 300 566, clause 2
	ETS 300 543, clause 2
TSSreference:	GSM-GSM/Supplementary_services/CFB
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of
criteria term.:	call diversion"= <b>No</b> ; "notification to forwarding subscriber"= <b>No</b> )
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C.
	User <b>A</b> and <b>B</b> are not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call
	diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFB-NDUB active
values term .:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFNRy01	PLMN ref. to:
	ETS 300 566, clause 3
	ETS 300 543, clause 3
TSSreference:	GSM-GSM/Supplementary_services
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion"= <b>Yes</b> , "notification to forwarding subscriber"= <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFNRy, SS-Notification]) message, user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNRy, SS-Notification]) of call diversion. User <b>B</b> is notified with a NOTIFY (Invoke=NotifySS[CFNRy, SS-Notification]) message of call diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFNRy active
values term.:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFNRy02	PLMN ref. to:
	ETS 300 566, clause 3
	ETS 300 543, clause 3
TSSreference:	GSM-GSM/Supplementary_services/CFNRy
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call
criteria term.:	diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> )
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.
	User <b>A</b> and <b>B</b> are not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call
	diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFNRy active
values term.:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSCFNRc01	PLMN ref. to:
	ETS 300 566, clause 3
	ETS 300 543, clause 3
TSSreference:	GSM-GSM/Supplementary_services/CFNRc
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call
criteria term.:	diversion"= <b>Yes</b> ).
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFNRy, SS-Notification]) message, user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNRy, SS-Notification]) of call diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFNRc active, the user detached
values term.:	C: ? GSM-BC=G_BC_ID
Comments:	

GG xxSSCFNRc02	PLMN ref. to:
GGXXSSCFNRC02	
	ETS 300 566, clause 3
	ETS 300 543, clause 3
TSSreference:	GSM-GSM/Supplementary_services/CFNRc
PLMN selection	The user A and the user C are in network N1.
criteria origin.:	
PLMN selection	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call
criteria term.:	diversion"= <b>No</b> ).
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C.
	User <b>A</b> is not notified of call diversion.
	User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call
	diversion.
PLMN parameter	A: ! GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	CFNRc active, the user is detached
values term .:	C: ? GSM-BC=G_BC_ID
Comments:	

GGxxSSHOLD01	PLMN ref. to:
	TS 100 544, clause 2
	EN 300 953, clause 2
TSSreference:	GSM-GSM/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria origin.:	
PLMN selection	HOLD
criteria term.:	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

PLMN ref. to:
TS 100 544, clause 2
EN 300 953, clause 2
GSM-GSM/Supplementary_services/HOLD
The calling user is provided with HOLD
HOLD
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 in the held state.
GSM-BC=G_BC_ID
GSM-BC=G_BC_ID

GGxxSSHOLD03	PLMN ref. to:
	TS 100 544, clause 2
	EN 300 953, clause 2
TSSreference:	GSM-GSM/Supplementary_services/HOLD
PLMN selection	The calling user is provided with HOLD
criteria origin.:	
PLMN selection	HOLD
criteria term.:	
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 non -served user during the held state.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSHOLD04	PLMN ref. to:
	TS 100 544, clause 2
	EN 300 953, clause 2
TSSreference:	GSM-GSM/Supplementary_services/HOLD
PLMN selection	HOLD
criteria origin.:	
PLMN selection	The called user is provided with HOLD
criteria term.:	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSHOLD05	PLMN ref. to:	
	TS 100 544, clause 2	
	EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection	HOLD	
criteria origin.:		
PLMN selection	The called user is provided with HOLD	
criteria term.:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSHOLD06	PLMN ref. to: TS 100 544, clause 2	
	EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection	HOLD	
criteria origin.:		
PLMN selection	The called user is provided with HOLD	
criteria term.:		
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non - served user during the held state.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

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GGxxSSCW01	PLMN ref. to:	
	TS 100 544, clause 1	
	EN 300 953, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CW	
PLMN selection	CW	
criteria origin.:		
PLMN selection	The called user is provided with CW.	
criteria term.:		
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term .:		
Comments:		

GGxxSSCW02	PLMN ref. to:
	TS 100 544, clause 1
	EN 300 953, clause 1
TSSreference:	GSM-GSM/Supplementary_services/CW
PLMN selection	CW
criteria origin.:	
PLMN selection	The called user is provided with CW
criteria term.:	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term .:	
Comments:	

GGxxSSUUS1i01	PLMN ref. to:	
	EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection	UUS1i	
criteria origin.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
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	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GG xxSSUUS1i02	PLMN ref. to:	
	EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection	UUS1i	
criteria origin.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
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.	
PLMN parameter	BC=GSM-BC=G_BC_ID, UI length=32	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values term.:		
Comments:		

GGxxSSUUS1i03	PLMN ref. to:	
	EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection	UUS1i	
criteria origin.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
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	
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values term.:		
Comments:		

GGxxSSUUS1i04	PLMN ref. to:		
	EN 300 940, clause 10.5.4.25		
TSSreference:	GSM-GSM/Supplementary_service	GSM-GSM/Supplementary_services/UUS1	
PLMN selection	UUS1i		
criteria origin.:			
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.		
criteria term.:			
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.		
PLMN parameter values origin.:	GSM-BC=G_BC_ID, UI length=32		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32		
values term .:	-		
Comments:			

GGxxSSUUS1i05	PLMN ref. to:	
	EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection	UUS1i	
criteria origin.:		
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.	
criteria term.:		
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	
PLMN parameter values origin.:	GSM-BC=G_BC_ID, UI length=32	
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values term .:		
Comments:		

PLMN ref. to:	
EN 300 940, clause 10.5.4.25	
GSM-GSM/Supplementary_services/UUS1i	
UUS1i	
The calling (served) user is provided with a UUS1 implicit request.	
The requested UUS is not supported in Network B.	
Verify that UUI can be discarded by the network without disrupting normal call handling	
GSM-BC=G_BC_ID, UI length=32	
GSM-BC=G_BC_ID, UI length=32	
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GGxxSSUUS1e01		
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1 e	
criteria origin.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>UUS not required</b> " 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	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGxxSSUUS1e02	PLMN ref. to: TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection criteria origin.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as " <b>UUS</b> <b>not required</b> ", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS1e03	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as " <b>UUS</b> <b>not required</b> ", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GG xxSSUUS1e04	PLMN ref. to:	
GGX330031e04		
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating <b>"UUS required</b> ", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information elelent. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS1e05	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating " <b>UUS required</b> ", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information elelent. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS1e06	PLMN ref. to: TS 124 087	
	TS 123 087, clause 4.1.2.1	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS1e07	PLMN ref. to: TS 124 087 TS 123 087, clauses 4.1.2.1, 5.1.1 and annex A
TSSreference:	GSM-GSM/Supplementary_services/UUS1e
PLMN selection	UUS1e
criteria origin.:	
PLMN selection	UUS1e
criteria term.:	
Test purpose:	Ensure that after explicit request of UUS1 indicating <b>"UUS required</b> ", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term .:	
Comments:	

GGxxSSUUS1e08	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
	Q.699	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection	UUS1e	
criteria term.:		
Test purpose:	Ensure that after explicit request of UUS1 indicating " <b>UUS required</b> ", 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 to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS201	PLMN ref. to: TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS2
PLMN selection	UUS 2 e
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.
PLMN parameter values origin.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
Comments:	

GG xxSSUUS202	PLMN ref. to:	
00^00000202	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
PLMN selection	UUS2 e	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from	
	the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS203	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS2
PLMN selection	UUS2
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSUUS204	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services	s/UUS2
PLMN selection	UUS 2 e	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:		2 indicating "UUS required", the network can essages, between the ALERTING and the CONNECT
	messages in each direction.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term .:		
Comments:		

GGxxSSUUS205	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS2
PLMN selection	UUS2 e
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating <b>"UUS required</b> ", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called
	user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSUUS206	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS2
PLMN selection	UUS2
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS2 indicating " <b>UUS not required</b> ", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term .:	
Comments:	

GGxxSSUUS301	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS3
PLMN selection	UUS1e
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 <b>during call establishment</b> indicating " <b>UUS not</b> <b>required</b> ", the network can transport USER INFORMATION messages in both directions
	during the Active state of the call.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term .:	
Comments:	

GGxxSSUUS302	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS3
PLMN selection	UUS3
criteria origin.:	
PLMN selection	Ensure that after the calling user request UUS3 during call establishment indicating
criteria term.:	<b>"UUS not required</b> ", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall continue with normal call handling.
Test purpose:	
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

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GGxxSSUUS303	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS3
PLMN selection	UUS3
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 <b>during call establishment</b> indicating " <b>UUS required</b> ", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSUUS304	PLMN ref. to:
	TS 124 087
	TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS3
PLMN selection	UUS3
criteria origin.:	
PLMN selection	
criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating
	"UUS required", if the network does not receive an explicit acceptance or rejection in the
	CONNECT message from the called user, the served subscriber shall clear the call.
PLMN parameter	GSM-BC=G_BC_ID
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID
values term .:	
Comments:	

GGxxSSUUS305	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection	UUS1e	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during the active call state indicating	
	"UUS not required", the network can transport USER INFORMATION messages in both	
	directions during the Active state of the call.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSUUS306	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection	UUS3	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating " <b>UUS not required</b> ", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGGxxSSECT01	PLMN ref. to:	
	EN 300 940	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection	ECT	
criteria origin.:		
PLMN selection	ECT	
criteria term.:		
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 <b>A-B</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.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGGxxSSECT02	PLMN ref. to: EN 300 940		
TSSreference:	GSM-ISDN/Supplementary_services/ECT		
PLMN selection	ECT		
criteria origin.:			
PLMN selection	ECT		
criteria term.:			
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 <b>A-B</b> is in the <b>Active call sate</b> and the call <b>A-C</b> is in the <b>Active call 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. The call clearing procedure of the B-C connection is performed from user C.		
PLMN parameter	GSM-BC=G_BC_ID		
values origin.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:			

GGGxxSSECT03	PLMN ref. to: EN 300 940	
TSSreference:	GSM-GSM/Supplementary_services/ECT	
PLMN selection	ECT	
criteria origin.:		
PLMN selection	ECT	
criteria term.:		
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 <b>A-B</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>Call Delivered 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 B.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGGxxSSECT04	PLMN ref. to:	
	EN 300 940	
TSSreference:	GSM-GSM/Supplementary_services/ECT	
PLMN selection	ECT	
criteria origin.:		
PLMN selection	ECT	
criteria term.:		
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 <b>A-B</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.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSMPTY01	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C.	
	User A is terminating the entire multi party call.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

GGxxSSMPTY02	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C	
	and release the remote party C. The call clearing procedure to user B is performed from	
	user A.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then	
	user A calls user C. After call establishment user A invokes the MPTY service by	
	sending a FACILITY message to the network containing the BuildMTPY request which	
	indicates to the network that the mobile subscriber wishes all his calls to be connected	
	together in a multi party call. The call clearing procedure to user B is performed from	
	user A.	
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GGxxSSMPTY03	PLMN ref. to:	
TCCreference	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C.	
	Afterwards the remote party C disconnects itself from the call. The call clearing	
	procedure to user B is performed from user A.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

GGxxSSMPTY04	PLMN ref. to:		
	TS 100 517, TS 100 545		
TSSreference:	GSM-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria origin.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2.		
	Ensure that the user A can establish	n a MPTY call to user B and user C and	
	Separate the remote user B from the multi-party call which is placed on hold		
	(A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single active		
	call.		
PLMN parameter	GSM-BC=G_BC_ID		
values origin.:			
PLMN parameter	GSM-BC=G_BC_ID		
values term.:			
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls		
	user C. After call establishment user A invokes the MPTY service by sending a		
	FACILITY message to the network containing the BuildMTPY request which indicates to		
	the network that the mobile subscriber wishes all his calls to be connected together in a		
	multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY		
	message to the network. The network will send normal CallOnHold notifications to the		
	remote parties on hold in the MPTY call.		
	remote parties on noid in the MPTT	uall.	

GGxxSSMPTY05	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GGxxSSMPTY06	PLMN ref. to:		
	TS 100 517, TS 100 545		
TSSreference:	GSM-GSM/Supplementary_services/MPTY		
PLMN selection	MPTY		
criteria origin.:			
PLMN selection	MPTY		
criteria term.:			
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call with C.		
PLMN parameter values origin.:	GSM-BC=G_BC_ID		
PLMN parameter values term.:	GSM-BC=G_BC_ID		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.		

PLMN ref. to:	
TS 100 517, TS 100 545	
GSM-GSM/Supplementary_services/MPTY	
MPTY	
MPTY	
User A is in network N1. User B and user C are in network N2.	
Ensure that the user A can establish a MPTY call to user B and user C and	
Create a private communication between A and B. The multi-party call is placed on hold	
(A-B ACTIVE / MPTY HELD). User C is clearing the MPTY held call.	
User B is clearing the A-B Active call.	
GSM-BC=G_BC_ID	
GSM-BC=G_BC_ID	
User A calls user B. After call establishment user A initiates call hold. Then user A calls	
user C. After call establishment user A invokes the MPTY service by sending a	
FACILITY message to the network containing the BuildMTPY request which indicates to	
the network that the mobile subscriber wishes all his calls to be connected together in a	
multi party call.	
To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY	
message to the network. The network will send normal CallOnHold notifications to the	
remote parties on hold in the MPTY call.	
User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

GGxxSSMPTY08	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

GGxxSSMPTY09	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and	
	create a private communication between A and B. The multi-party call is placed on hold	
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -	
	HOLD- REQUEST connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is	
	an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD /	
	MPTY ACTIVE).	
	User A is terminating the multi party call. User B is clearing the Active-Held call.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G BC ID	
values term.:		
Comments:		
Comments.		

GGxxSSMPTY10	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE - HOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD / MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSMPTY11	PLMN ref. to:	
	TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection	MPTY 2	
criteria origin.:		
PLMN selection	MPTY	
criteria term.:		
Test purpose:	User A is in network N1. User B and user C are in network N2.	
	Ensure that the user A can establish a MPTY call to user B and user C and	
	Separate the remote user C from the multi-party call which is placed on hold	
	(A-B ACTIVE / MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE -	
	HOLD- REQUEST connection.	
	After the completion of the Retrieve function concerning the MPTY call, the MPTY call is	
	an active connection (A-C) and the A-B call has an Active-Held connection.	
	(A-B HELD / MPTY ACTIVE).	
	User C is terminating the multi party call. After the completion of the Retrieve function	
	concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCBS01	PLMN ref. to:	
	ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection	The calling user activates Barring of Outgoing international	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCBS02	PLMN ref. to: ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection criteria origin.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke=NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter values term.:		
Comments:		

GGxxSSCBS03	PLMN ref. to:	
	ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection		
criteria origin.:		
PLMN selection	The Network B supports barring of all incoming calls (BAIC) and barring of incoming	
criteria term.:	calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming	
	outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming	
	calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming	
	outside the home PLMN country.	
	Ensure that when the called user activates barring of incoming calls when roaming	
	outside the home PLMN country was already activated, barring of incoming calls when	
	roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated.	
	Call establishment is not possible The calling user receives a FACILITY IE	
	(Invoke=NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter		
values term.:		
Comments:		

	PLMN ref. to:	
GGxxSSCCBS01		
	EN 300 646-1, clause 6.1.1.14	
TSSreference:	TS 124 093	
PLMN selection	GSM-GSM/Supplementary_services/CCBS	
	DLE is supporting the CCBS supplementary service	
criteria origin.:		
PLMN selection	OLE is supporting the CCBS supplementary service. MS A is idle.	
criteria term.:		
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT	
	message to MS A with a diagnostic field indicating CCBS possible, allowed	
	actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information	
	element indicating CCBSRequest invoke component including the	
	AccessRegisterCCEntry,	
	the network sends a RELEASE COMPLETE message containing a Facility information	
	element with a CCBS Request return result component including the CCBS Index and	
	optionally the AdressOfB, SubAddressOfB and the BasicServiceCode.	
	When destination <b>B becomes free</b> the network shall offer subscriber A the option of	
	recalling destination B.	
	The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the	
	CC connection by sending a CM SERVICE PROMPT message. MS A establishes the	
	CC connection by sending a START CC message to the network.	
	The network shall then send a CC ESTABLISHMENT message to MS A which shall	
	include the Setup container.	
	The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC)	
	and Low Level Compatibility (LLC) information within the Setup container.	
	The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network.	
	Once the network has received the CC ESTABLISHMENT CONFIRMED message it	
	shall send a RECALL message to MS A, which contains information to be presented to	
	the subscriber.	
	The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message.	
	MSC A shall maintain the RR connection with MS A throughout the time when	
	acceptance of the CCBS Recall is possible. Once the SETUP message is received, the	
	network moves to call state N01.	

#### MS A NETWORK SETUP

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### (Bearer capability, CC capabilities, Called party BCD number)

### DISCONNECT

<-----

((Cause #17 (User Busy) / Cause #34 (no circuit/channel available)), diagnostic=CCBSPossible, allowed actions=CCBS Possible)

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RELEASE

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Facility (Invoke=AccessRegisterCCEntry)

RELEASE COMPLETE

Facility (Return Result (CCBS Index, AddressOfB, Sub\_AddressOfB, BasicServiceCode)) (see note)

NETWORK

RR CONNECTION ESTABLISHED

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CM SERVICE PROMPT

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START CC

----->

## CC ESTABLISHMENT

(Setup container)

CC ESTABLISHMENT CONFIRMED

(BC"(s)),

RECALL

Facility (Invoke=NotifySS(SS-Code=CCBS, CCBS index, AddressOfB, Sub\_AddressOfB, BasicServiceCode, Alerting Pattern))

#### SETUP

----->

NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.

| GG xxSSCCBS02     | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                   | TS 124 093                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Test purpose:     | Ensure that MS A can establish a successful CCBS call setup.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| values origin .:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| values term .:    | GSM-LLC=G_LLC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|                   | GSM-HLC=G_HLC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|                   | Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                   | (LLC) information within the Setup container.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                   | G_BC_ID_CONT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                   | G_LLC_ID_CONT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                   | G_HLC_ID_CONT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                   | Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                   | (LLC) information within the CC ESTABLISHMENT CONFIRMED message                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                   | G_BC_ID_CC_E_C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                   | G_LLC_ID_CC_E_C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                   | G_HLC_ID_CC_E_C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Comments:         | The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination <b>B becomes free</b> the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is <b>modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. |  |
|                   | acceptance of the CCBS Recall is possible. Once the SETUP message is received, the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                   | network moves to call state N01.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |

| Values for test purpose GIxxSS | CCBS02                                |
|--------------------------------|---------------------------------------|
| VA_01                          | GSM-BC=speech                         |
|                                | G_BC_ID_CONT=speech                   |
|                                | G_BC_ID_CC_E_C=speech                 |
|                                | G_HLC_ID_CC_E_C=telephony             |
| VA_02                          | GSM-BC=speech                         |
|                                | GSM-HLC=telephony                     |
|                                | G_BC_ID_CONT=speech                   |
|                                | G_HLC_ID_CONT=telephony               |
|                                | G_BC_ID_CC_E_C=speech                 |
|                                | G_LLC_ID_CC_E_C=3,1 kHz audio         |
|                                | G_HLC_ID_CC_E_C=telephony             |
| VA_03                          | GSM-BC=3,1 kHz audio ex PLMN          |
|                                | G_BC_ID_CONT=3,1 kHz audio ex PLMN    |
|                                | G_BC_ID_CC_E_C=3,1 kHz audio ex PLMN  |
|                                | G_LLC_ID_CC_E_C=3,1 kHz audio ex PLMN |
| VA_04                          | GSM-BC=facsimile G3                   |
|                                | G_BC_ID_CONT=facsimile G3             |
|                                | G_BC_ID_CC_E_C=facsimile G3           |
|                                | G_HLC_ID_CC_E_C=Facsimile G2/G3       |
| VA_05                          | GSM-BC=facsimile G3                   |
|                                | G_HLC=Facsimile G2/G3                 |
|                                | G_BC_ID_CONT=facsimile G3             |
|                                | G_HLC_ID_CC_E_C=Facsimile G2/G3       |
|                                | G_BC_ID_CC_E_C=facsimile G3           |

| GG xxSSCCBS03     | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   | TS 124 093 clause 4.2                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TSSreference:     | GSM-GSM/Supplementary_service                                                                                                                                                                                                                                                                                                                                             | s/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PLMN selection    | DLE is supporting the CCBS supple                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                           | smentary service                                                                                                                                                                                                                                                                                                                                                                                                             |
| PLMN selection    | OLE is supporting the CCBS supple                                                                                                                                                                                                                                                                                                                                         | ementary service MS A is idle                                                                                                                                                                                                                                                                                                                                                                                                |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                           | ementary service. We wis fale.                                                                                                                                                                                                                                                                                                                                                                                               |
| Test purpose:     | Ensure that the MS A in the call pro                                                                                                                                                                                                                                                                                                                                      | oceeding call state (the CCBS Recall message was                                                                                                                                                                                                                                                                                                                                                                             |
|                   | received and the CCBS Call Set-up                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   |                                                                                                                                                                                                                                                                                                                                                                           | the call with a ALERTING message                                                                                                                                                                                                                                                                                                                                                                                             |
|                   |                                                                                                                                                                                                                                                                                                                                                                           | nessage. Normal call handling continues.                                                                                                                                                                                                                                                                                                                                                                                     |
| PLMN parameter    | GSM-BC=G BC ID                                                                                                                                                                                                                                                                                                                                                            | nessage. Normal can nandling continues.                                                                                                                                                                                                                                                                                                                                                                                      |
| values origin.:   | 001110000_00_10                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| values term.:     |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Comments:         | message to MS A with a diagnostic                                                                                                                                                                                                                                                                                                                                         | ndication call state N12 (sending a DISCONNECT<br>field indicating CCBS possible, allowed<br>of a RELEASE message with a FACILITY information<br>nvoke component including the                                                                                                                                                                                                                                               |
|                   | element with a CCBS Request retu<br>optionally the AdressOfB, SubAddr<br>When destination <b>B becomes free</b><br>recalling destination B.<br>The network shall prompt MS A to a<br>CC connection by sending a CM SE<br>CC connection by sending a STAR<br>The network shall then send a CC I<br>include the Setup container.<br>The MS is <b>not modifying</b> the Bear | ESTABLISHMENT message to MS A which shall<br>er Capability (BC), High Level Compatibility (HLC)                                                                                                                                                                                                                                                                                                                              |
|                   | The MS A sends a CC ESTABLISH<br>Once the network has received the<br>shall send a RECALL message to N<br>the subscriber.<br>The subscriber A accepting the CC<br>SETUP message.<br>MSC A shall maintain the RR conne<br>acceptance of the CCBS Recall is p<br>network moves to call state N01.                                                                           | information within the Setup container.<br>IMENT CONFIRMED message to the network.<br>CC ESTABLISHMENT CONFIRMED message it<br>MS A, which contains information to be presented to<br>BS recall, the MS A shall establish a new call with the<br>ection with MS A throughout the time when<br>bossible. Once the SETUP message is received, the<br>call with a ALERTING message the MS A receives<br>all handling continues. |

| GGxxSSCCBS04      | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|                   | TS 124 093 clause 4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |
| Test purpose:     | Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | d       |
|                   | and the CCBS Call Set-up was sent) and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ~       |
|                   | when user B has responded to the call with a CONNECT message                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |
|                   | the MS A receives an CONNECT message. Normal call handling continues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
| PLMN parameter    | BC=I_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |
| values term.:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |
| Comments:         | The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination B becomes free the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish th CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is <b>not modifying</b> the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. | ie<br>) |
|                   | SETUP message.<br>MSC A shall maintain the RR connection with MS A throughout the time when<br>acceptance of the CCBS Recall is possible. Once the SETUP message is received, the<br>network moves to call state N01.<br>When user B has responded to the call with a CONNECT message the MS A receives<br>an CONNECT message. Normal call handling continues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | e       |

| GGxxSSCCBS05      | PLMN ref. to:                                                                            |
|-------------------|------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                            |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                      |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                         |
| criteria origin.: |                                                                                          |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is not idle.                      |
| criteria term.:   |                                                                                          |
| Test purpose:     | If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the |
|                   | CCBS Recall and release the existing call.                                               |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                           |
| values origin.:   |                                                                                          |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                           |
| values term.:     |                                                                                          |
| Comments:         |                                                                                          |

| GGxxSSCCBS06      | PLMN ref. to:                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                           |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                     |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                        |
| criteria origin.: |                                                                                                                                         |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is not idle.                                                                     |
| criteria term.:   |                                                                                                                                         |
| Test purpose:     | If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold. |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                          |
| values origin.:   |                                                                                                                                         |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                          |
| values term.:     |                                                                                                                                         |
| Comments:         |                                                                                                                                         |

| GGxxSSCCBS07      | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                   | TS 124 093 clause 4.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TSSreference:     | GSM-ISDN/Supplementary_services/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test purpose:     | Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   | the user can deactivate a specific CCBS request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PLMN parameter    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| values term.:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Comments:         | The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry. |

| GGxxSSCCBS08      | PLMN ref. to:<br>EN 300 646-1, clause 6.1.1.14<br>TS 124 093 clause 4.4                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                                                                                                                  |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                     |
| criteria origin.: |                                                                                                                                                                                                                                      |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                      |
| criteria term.:   |                                                                                                                                                                                                                                      |
| Test purpose:     | Ensure that when the network A sending a DISCONNECT message to MS A with a<br>diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS<br>Activated state)<br>the user can deactivate outstanding CCBS requests |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                       |
| values origin.:   |                                                                                                                                                                                                                                      |
| PLMN parameter    |                                                                                                                                                                                                                                      |
| values term.:     |                                                                                                                                                                                                                                      |
| Comments:         |                                                                                                                                                                                                                                      |

| GGxxSSCCBS09      | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                   | TS 124 093 clause 4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test purpose:     | Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PLMN parameter    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| values term.:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Comments:         | When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request.<br>The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit / channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message.<br>If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing. |

| GGxxSSCCBS10      | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | EN 300 646-1, clause 6.1.1.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                   | TS 124 093 clause 4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TSSreference:     | GSM-GSM/Supplementary_services/CCBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PLMN selection    | DLE is supporting the CCBS supplementary service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PLMN selection    | OLE is supporting the CCBS supplementary service. MS A is idle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| criteria term.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test purpose:     | Ensure that when the subscriber A explicitly rejects the CCBS Recall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                   | the MS sends a RELEASE COMPLETE message.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PLMN parameter    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| values term.:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Comments:         | When CCBS is allowed the network shall give subscriber A the option of activating a<br>CCBS Request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                   | The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit / channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing. |

# Interactions

|                   | PLMN ref. to:                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _COLP01           | ETS 300 566, clause 1                                                                                                                                               |
|                   | ETS 300 543, clause 1                                                                                                                                               |
| TSSreference:     | GSM-GSM/Supplementary_services/CFU                                                                                                                                  |
| PLMN selection    | User A is provided with CLIP and COLP.                                                                                                                              |
| criteria origin.: |                                                                                                                                                                     |
| PLMN selection    | The user B is in network N2 provided with CFU("calling user is notified of call                                                                                     |
| criteria term.:   | diversion"= <b>Yes</b> ).                                                                                                                                           |
|                   | User C is provided with CLIP.                                                                                                                                       |
| Test purpose:     | Ensure that when user A calls user B, the call is forwarded to user C.                                                                                              |
|                   | User A is notified of call diversion with a FACILITY (Invoke=NotifySS[CFU, SS-                                                                                      |
|                   | Notification]) message, and the presentation of the diverted-to number is allowed                                                                                   |
|                   | accordance with the COLR supplementary service of the diverted-to user.                                                                                             |
|                   | User <b>B</b> is notified of call diversion.                                                                                                                        |
|                   | User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFUB,SS-Notification]) of call diversion.                                                             |
|                   | Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. |
|                   | Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.                        |
|                   | Ensure that in the active call state (N10) the voice/data transfer on the B-channels is                                                                             |
|                   | performed correctly.                                                                                                                                                |
| PLMN parameter    | A: ! GSM-BC=G BC ID                                                                                                                                                 |
| values origin.:   |                                                                                                                                                                     |
| PLMN parameter    | CFUactive                                                                                                                                                           |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                 |
| Comments:         |                                                                                                                                                                     |

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|---------------------------------------|---------------------------------------------------------------------------------------------------|
| GGxxSSCFU_CLI                         | PLMN ref. to:                                                                                     |
| P_COLP02                              | ETS 300 566, clause 1                                                                             |
|                                       | ETS 300 543, clause 1                                                                             |
| TSSreference:                         | GSM-GSM/Supplementary_services/CFU/GGxxSSCFU02                                                    |
| PLMN selection                        | User A is provided with CLIR and COLP.                                                            |
| criteria origin.:                     |                                                                                                   |
| PLMN selection                        | The user B is in network N2 provided with CFU("calling user is notified of call                   |
| criteria term.:                       | diversion"= <b>No</b> ).                                                                          |
|                                       | User C is provided with COLR and CLIP.                                                            |
| Test purpose:                         | Ensure that when user A calls user B, the call is forwarded to user C.                            |
|                                       | User <b>A</b> is not notified of call diversion and the presentation of the diverted-to number is |
|                                       | <b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.        |
|                                       | User <b>B</b> is notified of call diversion.                                                      |
|                                       | User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call       |
|                                       | diversion.                                                                                        |
|                                       | Ensure that when the Calling party number is provided by the calling user, the Calling            |
|                                       | party number information element is delivered to the called user without any digit                |
|                                       | information.                                                                                      |
|                                       | Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is             |
|                                       | performed correctly if tones/announcement are applied.                                            |
|                                       | Ensure that in the active call state (N10) the voice/data transfer on the B-channels is           |
|                                       | performed correctly.                                                                              |
| PLMN parameter                        | A: ! GSM-BC=G_BC_ID                                                                               |
| values origin.:                       |                                                                                                   |
| PLMN parameter                        | CFUactive                                                                                         |
| values term .:                        | C: ? GSM-BC=G_BC_ID                                                                               |
| Comments:                             |                                                                                                   |
|                                       |                                                                                                   |

| GGxxSICFB_CLIP    | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COLP01            | ETS 300 566, clause 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                   | ETS 300 543, clause 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TSSreference:     | GSM-GSM/Supplementary_services/CFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PLMN selection    | User A is provided with CLIP and COLP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PLMN selection    | The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| criteria term.:   | call diversion"= <b>Yes;</b> "notification to forwarding subscriber"= <b>Yes</b> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                   | User C is provided with CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test purpose:     | Ensure that when user A calls busy user B, the call is forwarded to user C.<br>User <b>A</b> is notified of call diversion with a FACILITY (Invoke=NotifySS[CFU, SS-<br>Notification]) message, and the presentation of the diverted-to number is allowed<br>accordance with the COLR supplementary service of the diverted-to user.<br>User <b>B</b> is notified of call diversion.<br>User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call<br>diversion.<br>Ensure that when the Calling party number is provided by the calling user the Calling<br>party number information element is correctly delivered to the called user C.<br>Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is<br>performed correctly if tones/announcement are applied.<br>Ensure that in the active call state (N10) the voice/data transfer on the B-channels is<br>performed correctly. |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PLMN parameter    | CFB-NDUB active                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Comments:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| GGxxSICFB_CLIP    | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _COLP02           | ETS 300 566, clause 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                   | ETS 300 543, clause 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TSSreference:     | GSM-GSM/Supplementary_services/CFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PLMN selection    | User A is provided with CLIR and COLP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PLMN selection    | The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| criteria term.:   | call diversion"=No; "notification to forwarding subscriber"=No)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                   | User C is provided with COLR and CLIP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Test purpose:     | Ensure that when user A calls busy user B, the call is forwarded to user C.<br>User A is not notified of call diversion and the presentation of the diverted-to number is<br><b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.<br>User B is notified of call diversion.<br>User C is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call<br>diversion.<br>Ensure that when the Calling party number is provided by the calling user, the Calling<br>party number information element is delivered to the called user without any digit<br>information.<br>Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is<br>performed correctly if tones/announcement are applied.<br>Ensure that in the active call state (N10) the voice/data transfer on the B-channels is<br>performed correctly. |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PLMN parameter    | CFB-NDUB active                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Comments:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| GGxxSICFNRy_C     | PLMN ref. to:                                                                                                                                                       |  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LIP_COLP01        | ETS 300 566, clause 3                                                                                                                                               |  |
|                   | ETS 300 543, clause 3                                                                                                                                               |  |
| TSSreference:     | GSM-GSM/Supplementary_services                                                                                                                                      |  |
| PLMN selection    | User A is provided with CLIP and COLP.                                                                                                                              |  |
| criteria origin.: |                                                                                                                                                                     |  |
| PLMN selection    | The user B is in network N2 and is provided with CFNRy ("calling user is notified of call                                                                           |  |
| criteria term.:   | diversion"= <b>Yes</b> , "notification to forwarding subscriber"= <b>Yes</b> ).                                                                                     |  |
|                   | User C is provided with CLIP.                                                                                                                                       |  |
| Test purpose:     | Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.                                                                               |  |
|                   | User <b>A</b> is notified of call diversion with a FACILITY                                                                                                         |  |
|                   | (Invoke=NotifySS[CFNR, SS-Notification]) message, and the presentation of the                                                                                       |  |
|                   | diverted-to number is allowed accordance with the COLR supplementary service of the                                                                                 |  |
|                   | diverted-to user.                                                                                                                                                   |  |
|                   | User <b>B</b> is notified of call diversion.                                                                                                                        |  |
|                   | User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call                                                                        |  |
|                   | diversion.                                                                                                                                                          |  |
|                   | Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. |  |
|                   | Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied.                        |  |
|                   | Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.                                                        |  |
| PLMN parameter    | A: I GSM-BC=G_BC_ID                                                                                                                                                 |  |
| values origin.:   |                                                                                                                                                                     |  |
| PLMN parameter    | CFNRy active                                                                                                                                                        |  |
| values term .:    | C: ? GSM-BC=G_BC_ID                                                                                                                                                 |  |
| Comments:         |                                                                                                                                                                     |  |

| GGxxSSCFNRy_C     | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LIP_COLP02        | ETS 300 566, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|                   | ETS 300 543, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CFNRy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| PLMN selection    | User A is provided with CLIR and COLP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| PLMN selection    | The user B is in network N2 and is provided with CFNRy ("calling user is notified of call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| criteria term.:   | diversion"= <b>No</b> "notification to forwarding subscriber"= <b>No</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                   | User C is provided with COLR and CLIP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Test purpose:     | Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.<br>User A is not notified of call diversion and the presentation of the diverted-to number is<br><b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.<br>User B is notified of call diversion.<br>User C is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call<br>diversion.<br>Ensure that when the Calling party number is provided by the calling user, the Calling<br>party number information element is delivered to the called user without any digit<br>information.<br>Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is<br>performed correctly if tones/announcement are applied.<br>Ensure that in the active call state (N10) the voice/data transfer on the B-channels is<br>performed correctly. |  |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| PLMN parameter    | CFNRy active                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Comments:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |

| GGxxSICFNRc_C     | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LIP COLP01        | ETS 300 566, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| _                 | ETS 300 543, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CFNRc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| PLMN selection    | User A is provided with CLIP and COLP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| PLMN selection    | The user B is in network N2 and is provided with CFNRc ("calling user is notified of call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| criteria term.:   | diversion"= <b>Yes</b> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|                   | User C is provided with CLIP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Test purpose:     | Ensure that when user A calls user B, if detached, the call is forwarded to user C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|                   | User <b>A</b> is notified of call diversion with a FACILITY (Invoke=NotifySS[CFU, SS-<br>Notification]) message, and the presentation of the diverted-to number is allowed<br>accordance with the COLR supplementary service of the diverted-to user.<br>User <b>B</b> is notified of call diversion.<br>User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call<br>diversion.<br>Ensure that when the Calling party number is provided by the calling user the Calling<br>party number information element is correctly delivered to the called user C.<br>Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is<br>performed correctly if tones/announcement are applied.<br>Ensure that in the active call state (N10) the voice/data transfer on the B-channels is<br>performed correctly. |  |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| PLMN parameter    | CFNRc active, the user detached                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| Comments:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

| GGxxSICFNRc_C     | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LIP_COLP02        | ETS 300 566, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|                   | ETS 300 543, clause 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CFNRc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| PLMN selection    | User A is provided with CLIR and COLP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| criteria origin.: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| PLMN selection    | The user B is in network N2 and is provided with CFNRc ("calling user is notified of call                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| criteria term.:   | diversion"= <b>No</b> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                   | User C is provided with COLR and CLIP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Test purpose:     | Ensure that when user A calls user B, if detached the call is forwarded to user C.<br>User A is not notified of call diversion and the presentation of the diverted-to number is<br><b>not</b> allowed accordance with the COLR supplementary service of the diverted-to user.<br>User B is notified of call diversion.<br>User C is notified with a FACILITY IE (Invoke=NotifySS[CFNR,SS-Notification]) of call<br>diversion.<br>Ensure that when the Calling party number is provided by the calling user, the Calling<br>party number information element is delivered to the called user without any digit<br>information.<br>Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is<br>performed correctly if tones/announcement are applied.<br>Ensure that in the active call state (N10) the voice/data transfer on the B-channels is<br>performed correctly. |  |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| values origin.:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| PLMN parameter    | CFNRc active, the user is detached                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| values term .:    | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Comments:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

| GGxxSICUG_CFU     | PLMN ref. to:                                                                      |  |
|-------------------|------------------------------------------------------------------------------------|--|
| 01                | TS 300 518                                                                         |  |
|                   |                                                                                    |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CUG_CFU                                             |  |
| PLMN selection    | User A belongs to a CUG with the following CUG supplementary options:              |  |
| criteria origin.: | not OA; not ocb; not Pref. CUG.                                                    |  |
| PLMN selection    | User B and C belongs to the same CUG.                                              |  |
| criteria term.:   | User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG |  |
|                   | User B is provided with CFU and has an active call forwarding to C.                |  |
|                   | User C has the following CUG supplementary options: not IA, not ICB                |  |
| Test purpose:     | Ensure that a call establishment is successful.                                    |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                     |  |
| values origin.:   |                                                                                    |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                     |  |
| values term .:    |                                                                                    |  |
| Comments:         |                                                                                    |  |

| GG xxSICUG CFU    | PLMN ref. to:                                                                                                                                               |  |  |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 02                | TS 300 518                                                                                                                                                  |  |  |
|                   |                                                                                                                                                             |  |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CUG_CFU                                                                                                                      |  |  |
| PLMN selection    | User A belongs to a CUG with the following CUG supplementary options:                                                                                       |  |  |
| criteria origin.: | not OA; not ocb; not Pref. CUG.                                                                                                                             |  |  |
| PLMN selection    | User B belongs to the same CUG with the following CUG supplementary options: not                                                                            |  |  |
| criteria term.:   | OA; not ocb; not Pref. CUG                                                                                                                                  |  |  |
|                   | User B is provided with CFU and has an active call forwarding to C.                                                                                         |  |  |
|                   | User C is not member of CUG.                                                                                                                                |  |  |
| Test purpose:     | Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG". |  |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                              |  |  |
| values origin.:   |                                                                                                                                                             |  |  |
| PLMN parameter    |                                                                                                                                                             |  |  |
| values term.:     |                                                                                                                                                             |  |  |
| Comments:         |                                                                                                                                                             |  |  |

| GGxxSICUG_CFU     | PLMN ref. to:                                                                                                                                               |  |  |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 03                | TS 300 518                                                                                                                                                  |  |  |
|                   |                                                                                                                                                             |  |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CUG_CFU                                                                                                                      |  |  |
| PLMN selection    | User A belongs to a CUG with the following CUG supplementary options:                                                                                       |  |  |
| criteria origin.: | not OA; not ocb; not Pref. CUG.                                                                                                                             |  |  |
| PLMN selection    | User B belongs to the same CUG with the following CUG supplementary options: OA;                                                                            |  |  |
| criteria term.:   | not ocb; not Pref. CUG                                                                                                                                      |  |  |
|                   | User B is provided with CFUand has an active call forwarding to C.                                                                                          |  |  |
|                   | User C is not member of CUG.                                                                                                                                |  |  |
| Test purpose:     | Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG". |  |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                                                                                              |  |  |
| values origin.:   |                                                                                                                                                             |  |  |
| PLMN parameter    |                                                                                                                                                             |  |  |
| values term.:     |                                                                                                                                                             |  |  |
| Comments:         |                                                                                                                                                             |  |  |

| GGXXSICUG_CFU     | PLMN ref. to:                                                                             |  |  |
|-------------------|-------------------------------------------------------------------------------------------|--|--|
| 04                | TS 300 518                                                                                |  |  |
|                   |                                                                                           |  |  |
| TSSreference:     | GSM-GSM/Supplementary_services/CUG_CFU                                                    |  |  |
| PLMN selection    | User A belongs to a CUG with the following CUG supplementary options:                     |  |  |
| criteria origin.: | OA; not ocb; not Pref. CUG.                                                               |  |  |
| PLMN selection    | User B belongs to the same CUG.                                                           |  |  |
| criteria term.:   | User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.       |  |  |
|                   | User B is provided with CFU and has active call forwarding to C.                          |  |  |
|                   | User C is not member of CUG.                                                              |  |  |
| Test purpose:     | Ensure that a call establishment is not successful. The network initiate call clearing to |  |  |
|                   | the calling user A with cause value #87 "user not member of CUG".                         |  |  |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                            |  |  |
| values origin.:   |                                                                                           |  |  |
| PLMN parameter    |                                                                                           |  |  |
| values term.:     |                                                                                           |  |  |
| Comments:         |                                                                                           |  |  |

| GGxxSICUG_CFU     | PLMN ref. to:                                                                             |                                     |
|-------------------|-------------------------------------------------------------------------------------------|-------------------------------------|
| 05                | TS 300 518                                                                                |                                     |
|                   |                                                                                           |                                     |
| TSSreference:     | GSM-GSM/Supplementary_services                                                            | s/CUG_CFU                           |
| PLMN selection    | User A belongs to a CUG with the fo                                                       | ollowing CUG supplementary options: |
| criteria origin.: | OA; not ocb; not Pref. CUG.                                                               |                                     |
| PLMN selection    | User B and C belong to the same CUG.                                                      |                                     |
| criteria term.:   | User B has the following CUG supplementary options: not OA; not ocb; not Pref. CUG.       |                                     |
|                   | User B is provided with CFUand has active call forwarding to C.                           |                                     |
| Test purpose:     | Ensure that a call establishment is successful but the OA indicator in not provided to C. |                                     |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                            |                                     |
| values origin.:   |                                                                                           |                                     |
| PLMN parameter    | GSM-BC=G_BC_ID                                                                            |                                     |
| values term.:     |                                                                                           |                                     |
| Comments:         |                                                                                           |                                     |

| GGxxSICFB_CW0     | PLMN ref. to:                                                                                                                                                                                                                                                                          |            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1                 | ETS 300 566, clause 2                                                                                                                                                                                                                                                                  |            |
|                   | ETS 300 543, clause 2                                                                                                                                                                                                                                                                  |            |
| TSSreference:     | GSM-GSM/Supplementary_service                                                                                                                                                                                                                                                          | s/CFB_CW   |
| PLMN selection    | The user A and the user C are in ne                                                                                                                                                                                                                                                    | etwork N1. |
| criteria origin.: |                                                                                                                                                                                                                                                                                        |            |
| PLMN selection    | The user B is in network N2 and is provided with CFB ("calling user is notified of call                                                                                                                                                                                                |            |
| criteria term.:   | diversion"= <b>Yes</b> ;) and CW.                                                                                                                                                                                                                                                      |            |
| Test purpose:     | Ensure that when user A calls busy user B, the call is forwarded to user C.<br>User <b>A</b> is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,<br>user <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call<br>diversion. |            |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                    |            |
| values origin.:   |                                                                                                                                                                                                                                                                                        |            |
| PLMN parameter    | B: CFB-UDUB, CW active                                                                                                                                                                                                                                                                 |            |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                                                                                                                                                                                                                    |            |
| Comments:         |                                                                                                                                                                                                                                                                                        |            |

| GGxxSICFB_CW0     | PLMN ref. to:                                                                               |          |  |
|-------------------|---------------------------------------------------------------------------------------------|----------|--|
| 2                 | ETS 300 566, clause 2                                                                       |          |  |
|                   | ETS 300 543, clause 2                                                                       |          |  |
| TSSreference:     | GSM-GSM/Supplementary_services/0                                                            | CFB_CW   |  |
| PLMN selection    | The user A and the user C are in netw                                                       | vork N1. |  |
| criteria origin.: |                                                                                             |          |  |
| PLMN selection    | The user B is in network N2 and is provided with CFB ("calling user is notified of call     |          |  |
| criteria term.:   | diversion"= <b>No</b> ) and CW.                                                             |          |  |
| Test purpose:     | Ensure that when user A calls busy user B, the call is forwarded to user C.                 |          |  |
|                   | User <b>A</b> and <b>B</b> are not notified of call diversion.                              |          |  |
|                   | User <b>C</b> is notified with a FACILITY IE (Invoke=NotifySS[CFB,SS-Notification]) of call |          |  |
|                   | diversion.                                                                                  |          |  |
| PLMN parameter    | A: ! GSM-BC=G_BC_ID                                                                         |          |  |
| values origin.:   |                                                                                             |          |  |
| PLMN parameter    | B: CFB-UDUB, CW active                                                                      |          |  |
| values term.:     | C: ? GSM-BC=G_BC_ID                                                                         |          |  |
| Comments:         |                                                                                             |          |  |

## 7.5.3 Support of packet services

### 7.5.3.1 Support of packet services, Short message service

| Successful            |
|-----------------------|
| Short message service |

The SMS comprises three basic services; SMS point to point services on CS mode, on PS mode and SMS cell broadcast service. The SMS point to point services on CS mode shall work in an active UE at any time independent of whether or not there is a speech or data call in progress.

The SMS point to point services on PS mode shall work in an active UE at any time independent of whether or not there is a PDP context in progress.

### 7.5.3.1.1 Short message service point to point on CS mode

| GGPP_CS_01        | PLMN ref. to:                                                              |
|-------------------|----------------------------------------------------------------------------|
|                   | ETS 300 559                                                                |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                |
| PLMN selection    | SMS                                                                        |
| criteria origin.: |                                                                            |
| PLMN selection    | SMS                                                                        |
| criteria term.    |                                                                            |
| Test purpose:     | SMS transfer from a MS-A to MS-B when both the MS's are in the Idle state. |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                               |
| values origin.:   |                                                                            |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                               |
| values term.:     |                                                                            |
| Comments:         |                                                                            |

| GG PP CS 02                       | PLMN ref. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | ETS 300 559                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| criteria origin.:                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| criteria term.                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test purpose:                     | Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PLMN parameter                    | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| values term.:                     | ő                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Comments:                         | MO<br>The MS A shall be in MM-state "Idle, updated".<br>The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE<br>REQUEST, theSSsends a CM SERVICE ACCEPT message. TheSSresponds to the CP-<br>DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK<br>message within TC1M followed by a CP-DATA message containing the correct RP-ACK<br>RPDU. TheSSwaits a maximum of 25 seconds for the CP-ACK message. Then<br>theSSsends a channel release message to the UE.<br>Using the end of the CP-DATA message from the UE as a trigger, theSSsends a SM to<br>MS A.<br>MT<br>The MS B shall be in MM-state "Idle, updated".<br>Mobile terminates establishment of Radio Resource Connection. After the completion of<br>RRC ConnectionSSauthenticates MS B. |
|                                   | After theSSreceives SECURITY MODE COMPLETE, theSSsends a CP-DATA message.<br>The information element of the CP-DATA message will be RP-DATA RPDU(SMS<br>DELIVER TPDU).<br>TheSSsends a CP-ACK to MS B within TC1M with no further CP-DATA messages and<br>theSSinitiates RRC Connection release.<br>For the mobile originated short message is used the Maximum length (characters).                                                                                                                                                                                                                                                                                                                                                                                                                    |

| GGPPCS_03         | PLMN ref. to:                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                                        |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                                        |
| PLMN selection    | SMS                                                                                                |
| criteria origin.: |                                                                                                    |
| PLMN selection    | SMS                                                                                                |
| criteria term.    |                                                                                                    |
| Test purpose:     | SMS transfer from a MS-A to MS-B when both the MS's are involved in an active call (Active State). |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                                       |
| values origin.:   |                                                                                                    |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                                       |
| values term.:     |                                                                                                    |
| Comments:         |                                                                                                    |

| GGPPCS_04         | PLMN ref. to:                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                                                               |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                                                               |
| PLMN selection    | SMS                                                                                                                       |
| criteria origin.: |                                                                                                                           |
| PLMN selection    | SMS                                                                                                                       |
| criteria term.    |                                                                                                                           |
| Test purpose:     | Verify that the MS A is capable of simultaneously receiving a network originated SM in                                    |
|                   | the Active State N10 whilst sending a mobile originated SM.                                                               |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                                                              |
| values origin.:   |                                                                                                                           |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                                                              |
| values term.:     |                                                                                                                           |
| Comments:         | MO                                                                                                                        |
|                   | The MS A shall be in MM-state "Idle, updated".                                                                            |
|                   | A data or speech call is established with theSSand the state N10 of call control is                                       |
|                   | entered.                                                                                                                  |
|                   | The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE                                          |
|                   | REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the                                                 |
|                   | CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-                                                 |
|                   | ACK message within TC1M followed by a CP-DATA message containing the correct RP-                                          |
|                   | ACK RPDU. TheSSwaits a maximum of 25 seconds for the CP-ACK message. Then theSSsends a channel release message to the UE. |
|                   | Using the end of the CP-DATA message from the UE as a trigger, the SS sends a SM to                                       |
|                   | MS A.                                                                                                                     |
|                   | MT                                                                                                                        |
|                   | The MS B shall be in MM-state "Idle, updated".                                                                            |
|                   | A data or speech call is established on a DTCH with theSSand the state N10 of call                                        |
|                   | control is entered. TheSSsends a CP-DATA message. The information element of the                                          |
|                   | CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). TheSSsends a                                                      |
|                   | CP-ACK to the UE within TC1M with no further CP-DATA messages and theSSinitiates                                          |
|                   | RRC Connection release                                                                                                    |
|                   | For the mobile originated short message is used the Maximum length (characters).                                          |

| GG PP CS 05       | PLMN ref. to:                                                                        |
|-------------------|--------------------------------------------------------------------------------------|
| 001100_00         | ETS 300 559                                                                          |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                          |
| PLMN selection    | SMS                                                                                  |
|                   | SMS                                                                                  |
| criteria origin.: |                                                                                      |
| PLMN selection    | SMS                                                                                  |
| criteria term.    |                                                                                      |
| Test purpose:     | Verify the SMS Transfer from MS A a to MS B for the point to point service when both |
|                   | the MS's are involved in an active call (Active State N 04)                          |
|                   | Verify that the MS A is capable of simultaneously receiving a network originated SM  |
|                   | whilst sending a mobile originated SM.                                               |
|                   | Verify also the ability that MS B can receive and decode the SMS.                    |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                         |
| values origin.:   |                                                                                      |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                         |
| values term.:     |                                                                                      |
| Comments:         | MO                                                                                   |
|                   | The MS A shall be in MM-state "Idle, updated".                                       |
|                   | A data or speech call is established with theSSand the state N04 of call control is  |
|                   | entered.                                                                             |
|                   | The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE     |
|                   | REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the            |
|                   | CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-            |
|                   | ACK message within TC1M followed by a CP-DATA message containing the correct         |
|                   | RP-ACK RPDU. TheSSwaits a maximum of 25 seconds for the CP-ACK message. Then         |
|                   | theSSsends a channel release message to the UE.                                      |
|                   | Using the end of the CP-DATA message from the UE as a trigger, the SS sends a SM to  |
|                   | MS A.                                                                                |
|                   | MT                                                                                   |
|                   | The MS B shall be in MM-state "Idle, updated".                                       |
|                   | A data or speech call is established on a DTCH with theSSand the state N04 of call   |
|                   | control is entered. TheSSsends a CP-DATA message. The information element of the     |
|                   | CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The Ssends a                 |
|                   | CP-ACK to the UE within TC1M with no further CP-DATA messages and the SSinitiates    |
|                   | RRC Connection release.                                                              |
|                   | For the mobile originated short message is used the Maximum length (characters).     |
| L                 | I or the mobile originated short message is used the Maximum length (Characters).    |

|                                   | PLMN ref. to:                                                                                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GGPPCS_06                         |                                                                                                                                                                                                                                                                                   |
|                                   | ETS 300 559                                                                                                                                                                                                                                                                       |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                                                       |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                               |
| criteria origin.:                 |                                                                                                                                                                                                                                                                                   |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                               |
| criteria term.                    |                                                                                                                                                                                                                                                                                   |
| Test purpose:                     | Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MS's are involved in an active call (Active State N 10) Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                                                      |
| PLMN parameter                    | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                                                      |
| values term .:                    |                                                                                                                                                                                                                                                                                   |
| Comments:                         |                                                                                                                                                                                                                                                                                   |

| GGPPCS_07         | PLMN ref. to:                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                                                                                                                                                                |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                |
| PLMN selection    | SMS                                                                                                                                                                                                                        |
| criteria origin.: |                                                                                                                                                                                                                            |
| PLMN selection    | SMS                                                                                                                                                                                                                        |
| criteria term.    |                                                                                                                                                                                                                            |
| Test purpose:     | Verify the SMS Transfer from MS A to MS B for the point to point service when both the MS's are in the <b>Idle state</b> .<br>The test also verifies that the MS A is able to correctly send and MS B is able to correctly |
|                   | receive multiple short messages on the same or several MM connection.                                                                                                                                                      |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                                                                                                                                                               |
| values origin.:   |                                                                                                                                                                                                                            |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                                                                                                                                                               |
| values term.:     |                                                                                                                                                                                                                            |
| Comments:         | For the mobile originated short message is used the Maximum length (characters).                                                                                                                                           |

| GGPPCS_08         | PLMN ref. to:                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                                                                                                               |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                               |
| PLMN selection    | SMS                                                                                                                                                                       |
| criteria origin.: |                                                                                                                                                                           |
| PLMN selection    | SMS                                                                                                                                                                       |
| criteria term.    |                                                                                                                                                                           |
| Test purpose:     | Verify the SMS Transfer from MS A to MS B for the point to point service when both the MS's are in the <b>Idle state</b> .                                                |
|                   | The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH. |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                                                                                                              |
| values origin.:   |                                                                                                                                                                           |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                                                                                                              |
| values term.:     |                                                                                                                                                                           |
| Comments:         | For the mobile originated short message is used the Maximum length (characters).                                                                                          |

| GGPPCS_09         | PLMN ref. to:                                                                            |
|-------------------|------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                              |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                              |
| PLMN selection    | SMS                                                                                      |
| criteria origin.: |                                                                                          |
| PLMN selection    | SMS                                                                                      |
| criteria term.    |                                                                                          |
| Test purpose:     | Verify the SMS Transfer from MS A a to MS B for the point to point service when both     |
|                   | MS's involved are in the Active call state.                                              |
|                   | The test also verifies that MS A is able to correctly send and MS B to receive multiple  |
|                   | short messages on the same or several MM connection.                                     |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                             |
| values origin.:   |                                                                                          |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                             |
| values term .:    |                                                                                          |
| Comments:         | The call clearing is continued in parallel to the following exchange of messages related |
|                   | to SMS.                                                                                  |
|                   | SMS messages are stored in the USIM and/or the ME.                                       |
|                   | For the mobile originated short message is used the Maximum length (characters).         |

| GGPP_CS_10        | PLMN ref. to:                                                                            |
|-------------------|------------------------------------------------------------------------------------------|
|                   | ETS 300 559                                                                              |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                              |
| PLMN selection    | SMS                                                                                      |
| criteria origin.: |                                                                                          |
| PLMN selection    | SMS                                                                                      |
| criteria term.    |                                                                                          |
| Test purpose:     | Verify the SMS Transfer from MS A a to MS B for the point to point service when both     |
|                   | MS's involved are in the Active call state.                                              |
|                   | The test also verifies that MS A is able to correctly send and MS B to receive multiple  |
|                   | short messages on the same MM connection.                                                |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                             |
| values origin.:   |                                                                                          |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                             |
| values term.:     |                                                                                          |
| Comments:         | The call clearing is continued in parallel to the following exchange of messages related |
|                   | to SMS.                                                                                  |
|                   | SMS messages are stored in the USIM and/or the ME.                                       |
|                   | For the mobile originated short message is used the Maximum length (characters).         |

| PLMN ref. to:                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETS 300 559                                                                                                                                                              |
| GSM-GSM/Basic_call/Successful/Short_message                                                                                                                              |
| SMS                                                                                                                                                                      |
|                                                                                                                                                                          |
| SMS                                                                                                                                                                      |
|                                                                                                                                                                          |
| SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, it shall receive the Short Message from the network. |
| GSM-TS=Short Message MO - PP                                                                                                                                             |
|                                                                                                                                                                          |
| GSM-TS=Short Message MT - PP                                                                                                                                             |
|                                                                                                                                                                          |
| MS-B is detached when the Short Message is sent.                                                                                                                         |
|                                                                                                                                                                          |

| GGPP12                            | PLMN ref. to:                                                                                                                                                                                                                                            |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | ETS 300 559                                                                                                                                                                                                                                              |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                              |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                      |
| criteria origin.:                 |                                                                                                                                                                                                                                                          |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                      |
| criteria term.                    |                                                                                                                                                                                                                                                          |
| Test purpose:                     | SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state.<br>When the network tries to send a SMS, MS B will signal that no storage is available.<br>Verify that when MS B signals that storage is available the network will send queued<br>SMS. |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                             |
| PLMN parameter                    | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                             |
| values term.:                     |                                                                                                                                                                                                                                                          |
| Comments:                         | The SIM Card memory of MS-B is full when the Short Message is sent.                                                                                                                                                                                      |

| GGPPPS_01                         | PLMN ref. to:                                                                                                                                                                                                                                                                                                                   |  |  |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                   | ETS 300 559                                                                                                                                                                                                                                                                                                                     |  |  |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                                                                                                     |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                             |  |  |
| criteria origin.:                 |                                                                                                                                                                                                                                                                                                                                 |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                             |  |  |
| criteria term.                    |                                                                                                                                                                                                                                                                                                                                 |  |  |
| Test purpose:                     | Verify the SMS Transfer from MS A a to MS B for the point to point service a when both<br>the MS's are in the Idle state.<br>Verify that the MS A is capable of simultaneously receiving a network originated SM<br>whilst sending a mobile originated SM.<br>Verify also the ability that MS B can receive and decode the SMS. |  |  |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                                                                                                    |  |  |
| PLMN parameter<br>values term.:   | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                                                                                                    |  |  |
| Comments:                         | For the mobile originated short message is used the Maximum length (characters).                                                                                                                                                                                                                                                |  |  |

| GGPPPS_02                         | PLMN ref. to:                                                                                                                                                                                                                                                                                                                          |  |  |  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|                                   | ETS 300 559                                                                                                                                                                                                                                                                                                                            |  |  |  |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                                                                                                            |  |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| criteria origin.:                 |                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| criteria term.                    |                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| Test purpose:                     | Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MS's.<br>Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.<br>Verify also the ability that MS B can receive and decode the SMS. |  |  |  |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                                                                                                           |  |  |  |
| PLMN parameter                    | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                                                                                                           |  |  |  |
| values term.:                     |                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| Comments:                         | For the mobile originated short message is used the Maximum length (characters).                                                                                                                                                                                                                                                       |  |  |  |

| GGPPPS_03                         | PLMN ref. to:                                                                                                                                                                                                                                                         |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                   | ETS 300 559                                                                                                                                                                                                                                                           |  |  |
| TSSreference:                     | GSM-GSM/Basic_call/Successful/Short_message                                                                                                                                                                                                                           |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                   |  |  |
| criteria origin.:                 |                                                                                                                                                                                                                                                                       |  |  |
| PLMN selection                    | SMS                                                                                                                                                                                                                                                                   |  |  |
| criteria term.                    |                                                                                                                                                                                                                                                                       |  |  |
| Test purpose:                     | Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MS's.<br>Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. |  |  |
| PLMN parameter<br>values origin.: | GSM-TS=Short Message MO - PP                                                                                                                                                                                                                                          |  |  |
| PLMN parameter<br>values term.:   | GSM-TS=Short Message MT - PP                                                                                                                                                                                                                                          |  |  |
| Comments:                         | For the mobile originated short message is used the Maximum length (characters).                                                                                                                                                                                      |  |  |

| GG PP PS 04       | PLMN ref. to:                                                                          |  |  |
|-------------------|----------------------------------------------------------------------------------------|--|--|
| GGFFF3_04         |                                                                                        |  |  |
|                   | ETS 300 559                                                                            |  |  |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                            |  |  |
| PLMN selection    | SMS                                                                                    |  |  |
| criteria origin.: |                                                                                        |  |  |
| PLMN selection    | SMS                                                                                    |  |  |
| criteria term.    |                                                                                        |  |  |
| Test purpose:     | Verifies the ability of sending and receiving of multiple short messages when both the |  |  |
|                   | MS's are in the Idle state.                                                            |  |  |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                           |  |  |
| values origin.:   |                                                                                        |  |  |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                           |  |  |
| values term .:    |                                                                                        |  |  |
| Comments:         | For the mobile originated short message is used the Maximum length (characters).       |  |  |

| GGPPPS_05         | PLMN ref. to:                                                                     |  |  |
|-------------------|-----------------------------------------------------------------------------------|--|--|
|                   | ETS 300 559                                                                       |  |  |
| TSSreference:     | GSM-GSM/Basic_call/Successful/Short_message                                       |  |  |
| PLMN selection    | SMS                                                                               |  |  |
| criteria origin.: |                                                                                   |  |  |
| PLMN selection    | SMS                                                                               |  |  |
| criteria term.    |                                                                                   |  |  |
| Test purpose:     | Verify the ability of sending and receiving of multiple short messages when a PDP |  |  |
|                   | context is in progress.                                                           |  |  |
| PLMN parameter    | GSM-TS=Short Message MO - PP                                                      |  |  |
| values origin.:   |                                                                                   |  |  |
| PLMN parameter    | GSM-TS=Short Message MT - PP                                                      |  |  |
| values term.:     |                                                                                   |  |  |
| Comments:         | For the mobile originated short message is used the Maximum length (characters).  |  |  |

7.5.3.1.3 Short message service cell broadcast

| GCB01             | PLMN ref. to:                                                                      |  |  |
|-------------------|------------------------------------------------------------------------------------|--|--|
|                   | ETS 300 559                                                                        |  |  |
| TSSreference:     | GSM -/Basic_call/Successful/Short_message                                          |  |  |
| PLMN selection    |                                                                                    |  |  |
| criteria origin.: |                                                                                    |  |  |
| PLMN selection    | SMS-CB                                                                             |  |  |
| criteria term.    |                                                                                    |  |  |
| Test purpose:     | Verify that the SMS CB is Transfered to MS A in MM-state "Idle, updated".          |  |  |
| PLMN parameter    |                                                                                    |  |  |
| values origin.:   |                                                                                    |  |  |
| PLMN parameter    | GSM-TS=Short Message MT - CB                                                       |  |  |
| values term.:     |                                                                                    |  |  |
| Comments:         | Three Cell Broadcast (CB) messages are sent by theSSon the CBCH.                   |  |  |
|                   | The network has to be cofigurated to send an SMS CB with defined text on a defined |  |  |
|                   | channel.                                                                           |  |  |

| GGCB02            | PLMN ref. to:                                                                               |  |  |
|-------------------|---------------------------------------------------------------------------------------------|--|--|
|                   | ETS 300 559                                                                                 |  |  |
| TSSreference:     | GSM -GSM /Basic_call/Successful/Short_message                                               |  |  |
| PLMN selection    |                                                                                             |  |  |
| criteria origin.: |                                                                                             |  |  |
| PLMN selection    | SMS-CB                                                                                      |  |  |
| criteria term.    |                                                                                             |  |  |
| Test purpose:     | Verify that the SMS CB is Transfered to MS A in MM-state "active state".                    |  |  |
| PLMN parameter    |                                                                                             |  |  |
| values origin.:   |                                                                                             |  |  |
| PLMN parameter    | GSM-TS=Short Message MT - CB                                                                |  |  |
| values term.:     |                                                                                             |  |  |
| Comments:         | Three Cell Broadcast (CB) messages are sent by the SSon the CBCH                            |  |  |
|                   | The network has to be cofigurated to send an SMS CB with defined text on a defined channel. |  |  |

## Annex A (informative): Bibliography

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

# History

| Document history |             |             |  |  |
|------------------|-------------|-------------|--|--|
| V1.1.1           | August 2002 | Publication |  |  |
|                  |             |             |  |  |
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