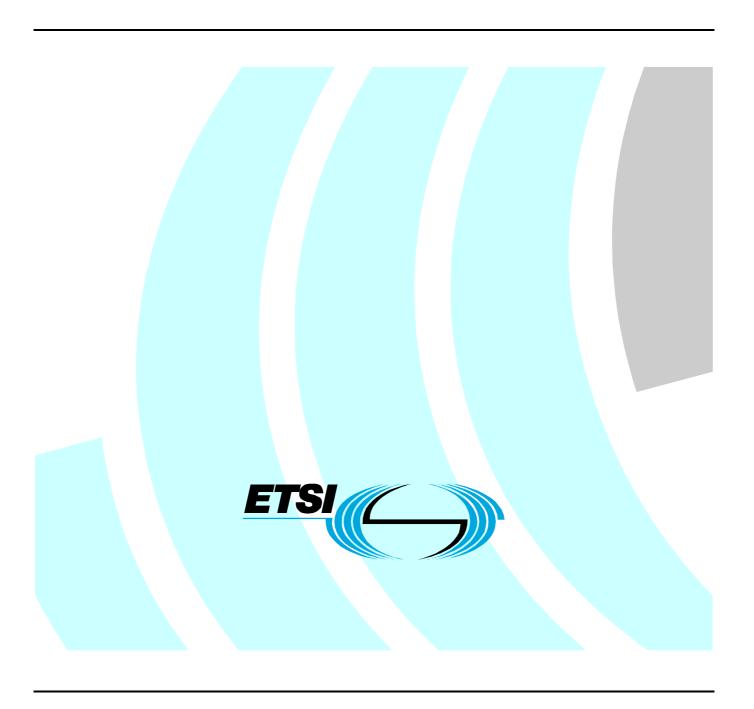
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Technical Specification

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)



Reference RTS/SPAN-130313

Keywords

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 was developed by EURESCOM P1106 as Deliverable 2 Volume 1 and made freely and publicly available to ETSI TC SPAN for publication.

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

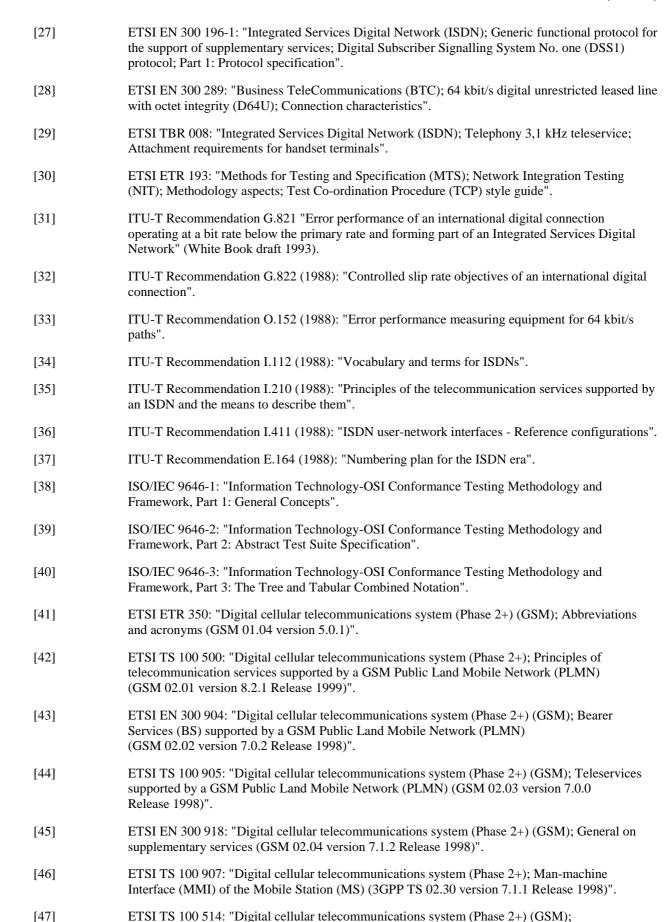
The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of GSM Phase 2+, ISDN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that 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 ".
- [7] ETSI EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [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".
- [22] ETSI EN 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [23] ETSI EN 300 356-1 "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 1: Basic services [ITU-T Recommendations Q.761 to Q.764 (1993), modified]".
- [24] ETSI EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [25] ETSI EN 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [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".



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)".
- [53] ETSI TS 100 524: "Digital cellular telecommunications system (Phase 2+) (GSM); Signalling requirements relating to routeing of calls to mobile subscribers (GSM 03.04 version 6.0.0 Release 1997)".
- [54] ETSI EN 300 928: "Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of Supplementary Services (GSM 03.11 version 7.0.1 Release 1998)".
- [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)".
- [56] ETSI TS 100 544: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (GSM 03.83 version 7.0.0 Release 1998)".
- [57] ETSI TS 100 546: "Digital cellular telecommunications system (Phase 2+) (GSM); Closed User Group (CUG) supplementary services Stage 2; (GSM 03.85 version 7.0.0 Release 1998)".
- [58] ETSI TS 100 548: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services Stage 2 (GSM 03.88 version 7.0.0 Release 1998)".
- [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)".
- [60] ETSI TS 100 941: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3; Supplementary services specification; General aspects (3GPP TS 04.10 version 7.1.0 Release 1998)".
- [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)".
- [66] ETSI TS 100 956: "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services; Stage 3 (GSM 04.88 version 7.0.0 Release 1998)".

- [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)".
- [68] ETSI TS 101 642: "Digital cellular telecommunications system (Phase 2+); Base Station System Mobile Services Switching Centre (BSS-MSC) Interface Interface Principles (3GPP TS 08.02 version 8.0.1 Release 1999)".
- [69] ETSI TS 100 589: "Digital cellular telecommunications system (Phase 2+); Signalling Transport Mechanism Specification for the Base Station System Mobile Services Switching Centre (BSS-MSC) Interface (3GPP TS 08.06 version 8.0.1 Release 1999)".
- [70] ETSI TS 100 590: "Digital cellular telecommunications system (Phase 2+); Mobile-services Switching Centre Base Station System (MSC BSS) interface; Layer 3 specification (3GPP TS 08.08 version 8.9.0 Release 1999)".
- [71] ETSI TR 101 643: "Digital cellular telecommunications system (Phase 2+) (GSM); General network interworking scenarios (GSM 09.01 version 8.0.0 Release 1999)".
- [72] ETSI TS 100 974: "Digital cellular telecommunications system (Phase 2+); Mobile Application Part (MAP) Specification (3GPP TS 09.02 version 7.9.0 Release 1998)".
- [73] ETSI TS 100 600: "Digital cellular telecommunications system (Phase 2+) (GSM); Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN) (GSM 09.03 version 7.0.0 Release 1998)".
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- [75] ETSI ETS 300 605: "Digital cellular telecommunications system (Phase 2) (GSM); Information element mapping between Mobile Station Base Station System (MS BSS) and Base Station System Mobile-services Switching Centre (BSS MSC) signalling procedures and the Mobile Application Part (MAP) (GSM 09.10 version 4.4.1)".
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- [77] ETSI ETR 060: "Signalling Protocols and Switching (SPS); Guidelines for using Abstract Syntax Notation One (ASN.1) in telecommunication application protocols".
- [78] ITU-T Recommendation Q.699: "Interworking between the digital Subscriber Signalling System Layer 3 protocol and the Signalling System No.7 ISDN User part".
- [79] ITU-T Recommendation Q.761 (1993): "Specifications of Signalling System No.7; Functional description of the ISDN user part of Signalling System No.7".
- [80] ITU-T Recommendation Q.762 (1993): "Specifications of Signalling System No.7; General function of messages and signals".
- [81] ITU-T Recommendation Q.763 (1993): "Specifications of Signalling System No.7; Formats and codes".
- [82] ITU-T Recommendation Q.764 (1993): "Specifications of Signalling System No.7; Signalling procedures".
- [83] ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
- [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)".
- [86] ETSI TS 122 060 (v3.2.0): "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 1 (3GPP TS 22.060 version 5.2.0 Release 5)".
- [87] ETSI EN 300 899-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Interworking between ISDN User Part (ISUP) version 2 and Digital Subscriber Signalling System No. one (DSS1); Part 1: Protocol specification [ITU-T Recommendation Q.699, modified]".
- [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)".
- [89] ETSI ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30)".
- [90] ETSI ETR 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
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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)".
- [95] ETSI EN 300 356-15: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 15: Diversion supplementary service [ITU-T Recommendation O.732, clauses 2 to 5 (1999) modified]".
- [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) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.12 version 4.2.2)".
- [97] ETSI TS 124 087: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Stage 3 (3GPP TS 24.087 version 5.0.0 Release 5)".
- [98] ETSI TS 123 087: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 version 5.0.0 Release 5)".
- [99] ITU-T Recommendation Q.734.1: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Conference calling".
- [100] ITU-T Recommendation Q.734.2: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Three-party service".
- [101] ETSI EN 300 065-1: "ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 1: Technical characteristics and methods of measurement".

[102]	ETSI EN 300 001: "Attachments to the Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".
[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)".
[104]	ISO/IEC 7776: "Information technology; Telecommunications and information exchange between systems; High-level data link control procedures; Description of the X.25 LAPB-compatible DTE data link procedures".
[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)".
[109]	ETSI TS 100 545: "Digital cellular telecommunications system (Phase 2+) (GSM); Multi Party (MPTY) supplementary services; Stage 2 (GSM 03.84 version 7.0.0 Release 1998)".
[110]	ETSI ETS 300 649: "Public Switched Telephone Network (PSTN); Calling Line Identification Restriction (CLIR) supplementary service; Service description".
[111]	ITU-T Recommendation Q.735.1: "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Closed user group (CUG)".
[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)".

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

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
GII Global Information Infrastructure

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

4 Void

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)

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

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
I	G	_	_	_	S	P		_	X	X

Supplementary Services

CLIP IG__xxSSCLIP xx

Ī	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	I	G		_	-	X	X	S	S	C	L	I	P	X	X

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	IGSP_xx
			3,1 kHz audio	IGAU_xx
			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			10 000115
	Services		CLIP	IGxxSSCLIP xx
			CLIR	IGxxSSCLIR xx
			COLP	IGxxSSCOLP xx
			COLR	IGxxSSCOLR xx
			CUG	IGxxSSCUG xx
			SUB	IGxxSSSUB xx IGI_xxSSCFUxx
			CFU	IGIXXSSCFUXX IGGXXSSCFUXX
				IGGG xxSSCFUxx
				IGPxxSSCFUxx
				IGU_xxSSCFUxx
			CFB	IGI_xxSSCFB xx
			OLD	IGGxxSSCFB xx
				IGPxxSSCFB xx
				IGU_xxSSCFB xx
			CFNRy	IGI_xxSSCFNRy xx
			O. 1.1.ty	IGG_xxSSCFNRy xx
				IGP_xxSSCFNRy xx
				IGU_xxSSCFNRy xx
			CFNRc	IGI_xxSSCFNRc xx
				IGG_xxSSCFNRc xx
				IGP_xxSSCFNRc xx
				IGU_xxSSCFNRc xx
			HOLD	IGxxSSHOLD xx
			CW	IGxxSSCW xx
			UUS implicit	IGxxSSUUSi xx
			UUS 1i	IGxxSSUUS1i xx
			UUS 1e	IGxxSSUUS1e xx
			UUS 2	IGxxSSUUS2 xx
			UUS 3	IGxxSSUUS3 xx IGI_xxSNECT xx
			ECT	
			CCBS Interactions	IGxxSNCCBS xx
			CFU_CLI_COL	IGIxxSICFU_CLI_COL xx
			GFU_GLI_GGL	IGGxxSICFU_CLI_COL xx
				IGU_xxSICFU_CLI_COL xx
			CFB CLI COL	IGIxxSICFB_CLI_COL xx
			GI B_GLI_GGL	IGGxxSICFB_CLI_COL xx
				IGU_xxSICFB_CLI_COL xx
			CFNRy_CLI_COL	IGI_xxSI CFNRy_CLI_COL xx
			7	IGG_xxSI CFNRy_CLI_COL xx
				IGU_xxSI CFNRy_CLI_COL xx

CFNRc_CLI_COL	IGIxxSICFNRy_CLI_COL xx
	IGGxxSICFNRy_CLI_COL xx
	IGU_xxSICFNRy_CLI_COL xx
CUG_CFU	IGIxxSICUG_CFU xx
CFB_CW	IGIxxSICFB_CW xx
CLIP_SUB	IGxxSICLIP_SUB xx
non-symmetrical tests	
TP	IGxxSNTP xx
CONF	IGI_xxSNCONF xx
	IGG_xxSNCONF xx
3PTY	IGI_xxSN3PTY xx
	IGG_xxSN3PTY xx
Call Barring services	IGxxSNCBS xx
CCNR	IGxxSNCCNR xx
AoC	IGxxSNAoC xx
MPTY	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		PGAU_xx
	C - Plane	Unsuccessful		PGAUxx
	Supplementary			
	Services		CLIP	PGAUSSCLIPxx
			CLIR	PGAUSSCLIRxx
			CUG	PGAUSSCUGxx
			CFU	PGP_AUSSCFUxx
				PGG_AUSSCFUxx
				PGI_AUSSCFUxx
				PGU_AUSSCFUxx
			CFB	PGP_AUSSCFBxx
				PGG_AUSSCFBxx
				PGI_AUSSCFBxx
				PGU_AUSSCFBxx
			CFNRy	PGP_AUSSCFNRy xx
			-	PGG_AUSSCFNRy xx
				PGI_AUSSCFNRy xx
				PGU_AUSSCFNRyxx
			CFNRc	PGP_AUSSCFNRcxx
				PGG_AUSSCFNRcxx
				PGI_AUSSCFNRcxx
				PGU_AUSSCFNRcxx
			non-symmetrical tests	
			Call Barring services	PGAUSSCBSxx
			MPTY	PG AUSSMTPYxx

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	GIAU_xx
			UDI	GIduxx
			Facsimile G3	GIFX_xx
			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
	Jei vices		CLIR	GIxxSSCLIR xx
			COLP	GIxxSSCOLP xx
			COLR	GIxxSSCOLR xx
			CUG	GIxxSSCUG xx
			SUB	GIxxSSSUB xx
			CFU	GIGxxSSCFUxx
			010	GIIxxSSCFUxx
				GIPxxSSCFUxx
				GIU_xxSSCFUxx
			CFB	GIGxxSSCFB xx
			OI D	GIIxxSSCFUxx
				GIP_xxSSCFUxx
				GIU_xxSSCFUxx
			CFNR	GIGxxSSCFNR xx
			OT THIS	GIIxxSSCFUxx
				GIP xxSSCFUxx
				GIUxxSSCFUxx
			HOLD	GIxxSSHOLD xx
			CW	GIxxSSCW xx
			UUS 1i	GIxxSSUUS1i xx
			UUS 1e	GIxxSSUUS1e xx
			UUS 2	GI xxSSUUS2 xx
			UUS 3	GIxxSSUUS3 xx
			ECT	GIGxxSNECT xx
			CCBS	IGxxSNCCBS xx
			0000	10XX01100B0 XX

GIGxxSICFU_CLIP_COLP xx
GIGxxSICFB_CLIP_COLP xx
GIGxxSICFNR_CLIP_COLP
XX
GIIxxSICFU_CLIP_COLP xx
GIIxxSICFB_CLIP_COLP xx
GIIxxSICFNR_CLIP_COLP xx
GIxx SNTP xx
GIxxSNMPTYxx
GIxxSNCD xx
GIxxSNCBS xx
GIG_xxSNCONF xx
GII_xxSNCONF xx
GIG_xxSN3PTY 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
			3,1 kHz audio	GPAU_Uxx
			UDI	GPUD_Uxx
			Facsimile G3	GPFX_Uxx
			Alternate speech and	GPAF_Uxx
			facsimile group 3	
			Emergency Calls	GPEC_Uxx
	C-Plane			
	Supplementary		Cours	000110
	Services		CLIP	GPxxSSCLIP xx
			CLIR	GPxxSSCLIR xx
			COLR	GPxxSSCOLR xx
			CUG	GPxxSSCUG xx
			CFU	GPG_xxSSCFUxx
				GPP_xxSSCFUxx
				GPI_xxSSCFUxx
				GPU_xxSSCFUxx
			CFB	GPG_xxSSCFB xx
				GPPxxSSCFB xx
				GPI_xxSSCFB xx
				GPU_xxSSCFNR xx
			CFNR	GPGxxSSCFNR xx
				GPPxxSSCFNRxx
				GPI_xxSSCFNR xx
				GPU_xxSSCFNR 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	GGFD_xx
			HSCSD	
			HSCSD - 3,1 kHz audio	GGHAxx
			HSCSD - 3,1 kHz audio	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		lacsimile group 3	
	Services		CLIP	GGxxSSCLIP xx
			CLIR	GGxxSSCLIR xx
			COLP	GGxxSSCOLP xx
			COLR	GGxxSSCOLR xx
			CUG	GGxxSSCUG xx
			SUB	GGxxSSSUB xx
			CFU	GGG_xxSSCFUxx
			CFB	GGGxxSSCFB 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	GGG_xxSNECT xx GG xxSSMPTY xx
			MPTY	GG XXSSCBS XX
			Call Barring Services	GG XXSSCBS XX
			CCBS	GGXXSSCCDS XX
			Interactions	GGG VYSICELL CLIB COLB VV
			CFU_CLIP_COLP CFB_CLIP_COLP	GGGxxSICFU_CLIP_COLP xx GGGxxSICFB_CLIP_COLP
			OFD_OLIF_COLF	XX
			CFNR_CLIP_COLP	GGGxxSICFNR_CLIP_COLP xx

6.5.2 Support of packet services

Packet Services				
GSM - GSM	Control - Plane	Successful	SMS-PP	GGPPxx
			SMS-CB	GGGCBxx

7 Test purposes

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	
Speech	

10 00 01	IODNI ()	DI MAL C. C.	
IGSP01	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:			

IGSP02	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 values:	BC=speech, no HLC	
PLMN parameter	GSM-BC=speech, no HLC	
values		
Comments:		

IGSP03	ISDN ref. to:	MN ref. to:
	EN 300 403-1 [1], clause 5.3.3 EN	l 300 940 [59], clause 5.2.2
	TS	5 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/Spe	ech
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 calling user 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:		

IGSP_04 TSSreference:	ISDN ref. To: EN 300 403-1 [1], clause 5.3.3 ISDN-GSM/Basic_call/Successful/	PLMN ref. to: EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 Speech
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user 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/S	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	BC=speech, HLC=telephony	
values:		
PLMN parameter	GSM-BC=speech, HLC=telephony	
values		
Comments:		

Successful	
3,1 kHz audio	

IGAU01	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/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 calling user 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	GSM-BC=speech
values:	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.

IGAU02	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/3,1 kHz audio
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 calling user 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 not contain a GSM-BC element.

IGAU03 TSSreference:	FLMN 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 ISDN-GSM/Basic call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi-numbering Scheme, TS 11	
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 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" 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 values:	BC=3,1 kHz audio, no HLC	
PLMN 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.	

IGAU04	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/3,1 kHz audio
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 called user 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 not contain a GSM-BC element.

IGAU05	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, T	S 11
criteria:		
Test purpose:	To verify that progress information the called MS.	in the ISDN-SETUP can be transported correctly to
ISDN parameter	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
values:		
PLMN parameter	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
values:		
Comments:	stored in the VLR and the progress	ontain a GSM BC mapped from the BC/LLC/HLC svalue #3 "origination address is non ISDN".
		element is transported in the Access Transport
	•	ssage (IAM). The access transport parameter will be
	transported transparently. It is the	responsibility of the end points to ensure compatibility.

IGAU06	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	B,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 so	cheme).	
	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: 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/3,1 kHz audio	
ISDN selection criteria:	Telefax G3 terminals;	
PLMN selection criteria	TS 61	
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 two GSM BC-IE preceded by a repeat indicator, one representing speech, the other 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	first GSM-BC=speech	
values	second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

IGAU08	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/	3,1 kHz audio
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	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=Facs	imile G2/G3
values:		
Comments:		

IGAU09	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/	3,1 kHz audio
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	Single numbering Scheme, TS 62	
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	e G2/G3
values:		
PLMN Parameter	GSM-BC=facsimile G3, HLC=Facs	imile G2/G3
values		
Comments:		

IG AU 10	ISDN ref. to: PLI	MN ref. to:
167010		
		300 940 [59], clause 5.2.2
		100 976 [74], clause 10.2.2
		100 913 [67], clause B.1.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 k	:Hz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	Ensure that the ISDN SETUP with the I	BC parameter value information transfer
	capability 3.1 kHz audio, voice band da	ita via modem, synchronous/ asynchronous mode
		_RATE is correctly mapped and correctly
		meter values: information transfer capability
		ta via modem, synchronous/ asynchronous mode
	is set to MODE, / user rate set to G_US	
		at the data transfer on the traffic and B-channels is
	performed correctly.	it the data transfer on the trainc and D-channels is
ISDN parameter	BC=3,1 kHz audio, voice band data via	modem
ISDN parameter values:		
values:	synchronous/ asynchronous mode: MC	DDE
	user rate: USER_RATE	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice	
values:	synchronous/ asynchronous mode: MC	DDE
	fix network user rate: G_USER_RATE	
Comments:	The test is not applicable for ETS 300 1	102-1 implementations.
		5.5 note 4 the octets 5a, 5b, 5c, 5d in the
		cates either of the ITU standardized rate adaption
	V.110/X.30 or V.120.	
	<u> </u>	

IG AU 11	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 criteria:	Audio	
Test purpose:	Ensure that the ISDN SETUP with the BC 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 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, user rate set to G_USER_RATE and the LLC 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,	
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:		

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	
ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
Bearer service 3,1 kHz audio	
Audio	
Ensure that the ISDN SETUP with the BC 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 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 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, user rate set to G_USER_RATE and the LLC 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.	
BC=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	
user rate: G USER RATE	
LLC=3,1 kHz audio, voice band data via modem,	
synchronous/ asynchronous mode: MODE	
user rate: USER_RATE	
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.	

Values for test purposes IGAU10; IG	AU11; IGAU12
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

IGAU13	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 values:	BC=3,1 kHz audio, no HLC	
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 contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

Successful UDI

IG UD 01	ISDN ref. to: PLMN ref. to:	
1801		
	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 values:	BC=UDI, no HLC	
GSM 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.	

IGUD02	ISDN 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/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 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 not contain a GSM-BC element.		

IGUD03	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	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 costored 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	Bearer service UDI		
criteria:			
PLMN selection	UDI, 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 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 no	ot contain a GSM-BC element.	

IG UD 05	ISDN ref. to:	PLMN ref. to:	
	EN 300 403-1 [1], clause 4.5.5	EN 300 940 [59], clause 5.2.2	
	1	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 ISDN SETUP with the BC 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 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. 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_RA	ATE	
Comments:			

IGUD06	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 criteria:	Bearer service UDI		
PLMN selection criteria:	UDI		
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		
PLMN parameter	user rate: USER_RATE GSM-BC=UDI, V.110/X.30		
values:	synchronous/ asynchronous mode: MODE		
values.	user rate: G_USER_RATE		
	LLC=UDI, V.110/X.30,		
	synchronous/ asynchronous mode: MODE		
	user rate: USER_RATE		
Comments:			

IGUD07	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, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate		
	set to USER_RATE		
	and the LLC 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 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=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:			

	06; IGUD07
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	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/ asynchronous mode	synchronous/ asynchronous mode: MODE	
	fix network user rate: FNU_RATE		
Comments:			

IG HA 02	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/h	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
GSM selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose:	Ensure that the ISDN SETUP with the BC 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 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 and the LLC 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	
GSM parameter	user rate: USER_RATE GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,	
values:	synchronous/ asynchronous mode: MODE	
14.4301	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:		

Values for test purpose IGHA01 and IGHA	02
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
VA 00	FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous
	USER_RATE: 28,8 kbit/s
VA 40	FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous
	USER_RATE: 38,4 kbit/s
VA 44	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 criteria:	HSCSD, UDI		
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	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 ISDN SETUP with the BC parameter value: information transfer capability UDI and the LLC 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 GSM SETUP with the GSM-BC 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 LLC 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 values:	BC=information transfer capability: UDI LLC=information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
GSM parameter values:	GSM-BC=information transfer capability: UDI 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 purposes IGHU01, IGHU02	
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
W. 40	FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous
	USER_RATE: 38,4 kbit/s
WA 44	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

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 criteria:	TS 11	
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 values:	BC=speech	
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/Unsuccessf	ul/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 user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	(or intermediate exchange) during The originating exchange sends a progress indicator #8 thus indicating	DISCONNECT message to the calling user with g that in-band information is available. Normal n-band information has been connected. e disconnect indication state (N12)

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/Unsuccessful/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/Unsuccessf	ul/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	BC=speech	
values:		
PLMN parameter		
values:		
Comments:	progress indicator #8 thus indicating	,

IGSP_U05	ISDN ref. to:	PLMN ref. to:	
	ETS 300 102-1, clause 5.2.5.4,	EN 300 940 [59], clause H.1.7	
	annex M	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	Speech		
criteria:			
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 values:	BC=speech		
PLMN parameter values:			
Comments:	NOTE: Some PLMNs provide	announcements instead of sending cause value #20.	

IGSP_U06	ISDN ref. to: EN 300 403-1 [1], clause 5.2.5.4, annex M PLMN ref. to: EN 300 940 [59], clause H.1.8	
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.	

IGSP_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/Unsuccessful/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 values:	BC=speech	
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_U09		PLMN ref. to: EN 300 940 [59], clauses B.3.2 and H.5.3	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessfu	I/Speech/	
ISDN selection criteria:	Speech	Speech	
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 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. 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:	PLMN ref. to:
	EN 300 403-1 [1], clauses 5.2	EN 300 940 [59], clause H.1.6
	and 5.1, annex M	ETS 300 511, clause 4.4.2.3
TSSreference:	ISDN-GSM/Basic_call/Unsuccessi	ul/Speech
ISDN selection	Speech	
criteria:		
PLMN selection	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". 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	GSM-BC=speech	
values:		
Comments:	While in the alerting state, the call	ed 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/Unsuccessf	ul/3,1 kHz audio/
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection criteria:		
Test purpose:		cated number, the network initiate call clearing to the IPLETE or DISCONNECT message indicating cause
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.	

IGAU_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/Unsuccessfu	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection		
criteria:		
Test purpose:		d when there is no route to destination. The network
		ser with a DISCONNECT message indicating cause
	value #3 "no route to destination".	
ISDN parameter	BC=3,1 kHz audio	
values:		
PLMN parameter		
values:		
Comments:		cement can be generated in the destination exchange
	(or intermediate exchange) during	
	The originating exchange sends a DISCONNECT message to the calling user with	
	progress indicator #8 thus indicating that in-band information is available. Normal	
		n-band information has been connected.
	The calling user shall receive in the	
	the in-band tone/announcement or	n the B-channel.

IGAU_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/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	_	Audio, Multi numbering Scheme, TS 11	
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 values:	BC=3,1 kHz audio		
PLMN parameter values:	GSM-BC=speech		
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/Unsuccessfu	ıl/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Single numbering Scheme	
criteria:		
Test purpose:		single-numbering scheme) is busy (UDUB) 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	s 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_U05	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/Unsuccessful/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	BC=3,1 kHz audio	
values:		
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.	

IGAU_U06	ISDN ref. to:	PLMN ref. to:
	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.

IG AU U07	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/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.	

IGAU_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/Unsuccessfu	ıl/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 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.	

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/Unsuccessf	ul/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 indicating release procedure apply after the interest and the second release procedure apply after the interest and the second release procedure apply after the second release procedure apply apply after the second release procedure apply	DISCONNECT message to the calling user with ag that in-band information is available. Normal n-band information has been connected. The calling t indication state (N12) the in-band nel.

IGAU_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 values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	progress indicator #8 thus indicatin	DISCONNECT message to the calling user with g that in-band information is available. Normal n-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.	
	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 (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to t progress indicator #8 thus indicating that in-band information is release procedure apply after the in-band information has been The calling user shall receive in the disconnect indication state the in-band tone/announcement on the B-channel.	he calling user with available. Normal connected.

IGAU_U12	ISDN ref. to: EN 300 403-1 [1], clause 5.2.2, annex M	PLMN ref. to: ETS 300 557 [113], clauses B.3.2 and H.5.3	
TSSreference:	ISDN-GSM/Basic_call/Unsuccessfu	ıl/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio		
PLMN selection criteria:	Audio		
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 values:	BC=3,1 kHz audio, voice band data via modem		
PLMN parameter values:	GSM-BC=3,1 kHz audio, voice band data via modem		
Comments:	progress indicator #8 thus indicating		

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/Unsuccessf	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme, T	S 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:		

IGAU_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/Unsuccessful/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 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" the call set-up to the mobile will not contain a GSM-BC	
	element.	

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/Unsuccessfu	ul/3,1 kHz audio
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio, Multi numbering Scheme, T	S 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/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) 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:	element.	` '

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, voice	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 r	modem transmission.
		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
	is not defined.	

IGAU_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	sful/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 c	overs the cases where the subscription check or the
	compatibility check fail	s. The cause value with which the call shall be rejected
	is not defined.	

Unsuccessful UDI

IGUD_U01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clause 5.1.4,	EN 300 940 [59]
	annex M	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessf	ul/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 300 403-1 [1], clause 5.1.4,	EN 300 940 [59], clause H.1.1
	annex M	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessf	ul/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:		

IGUD_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 costored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

IGUD_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/UnSucce	ssful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	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:		

IGUD_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/UnSuccess	ful/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:	NOTE: At the PLMN side cause cause value #18 is "no	e value #18 is "absent subscriber". At the ISDN side user responding".

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	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.	

IGUD_U07	ISDN ref. to: EN 300 403-1 [1], clause 5.1,	PLMN ref. to: EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9	
	annex M		
TSSreference:	ISDN-GSM/Basic_call/UnSucces	sful/UDI	
ISDN selection criteria:	Bearer service UDI		
PLMN selection criteria:	UD	UD	
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=UĎI		
PLMN parameter values:	GSM-BC=UDI, V.110/X.30		
Comments:	The call set-up to the mobile will stored in the VLR.	contain a GSM BC mapped from the BC/LLC/HLC	

IG UD U08	ISDN ref. to:	PLMN ref. to:
100D_000	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:		3 "No route to destination",
ISDN parameter	BC=UDI	
values:		
PLMN parameter		
values:		
Comments:		

IGUD_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/UnSuccessf	ul/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 costored in the VLR.	ontain a GSM BC mapped from the BC/LLC/HLC

IGUD_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/UnSucces	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI, Multi numbering Scheme	
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=UDI	
values:		
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:		
Comments:	The call set-up to the mobile will stored in the VLR.	contain a GSM BC mapped from the BC/LLC/HLC

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 values:	BC=UDI, HLC=facsimile group 4, no LLC	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=facsimile group 4	
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".	

IGUD_U12	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.17 and 4.5.19 ETS 300 080 [5], clause 4.5.2.1 EG 201 018 [83], clause 6.3.2	PLMN ref. to: EN 300 940 [59], annex H TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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, HLC=facsimile group 4 and LLC=telematic_term.	
ISDN parameter values:	BC=UDI, HLC=facsimile group 4, LLC=telematic_term	
PLMN parameter values:		
Comments:		e cases where the subscription check or the ause value with which the call shall be rejected

IGUD_U13	ISDN ref. to: EN 300 403-1 [1], clause 4.5.17 EG 201 018 [83], clause 7.1.3 PLMN ref. to: EN 300 940 [59], annex H TS 100 976 [74], clause 10.2.2	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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, LLC=telematic_term and the HLC=teletex basic and mixed mode.	
ISDN parameter values:	BC=UDI, HLC=teletex basic and mixed mode, 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.	

IGUD_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/UnSuccessf	ul/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 pr	rocessable mode, LLC=telematic_term
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the . 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/UnSuccessf	ul/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	BC=UDI, HLC=teletex basic mode, LLC=telematic_term	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the The cause value with which the call shall be rejected

IGUD_U16	ISDN ref. to: PLMN	ref. to:
		0 940 [59], annex H
	ETS 300 080 [5], clause 4.5.2.1 TS 100	0 976 [74], clause 10.2.2
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, LLC=telematic_term and the HLC=international videotex interworking.	
ISDN parameter values:	BC=UDI, HLC=international videotex interworking, LLC=telematic_term	
PLMN parameter values:		
Comments:		e cases where the subscription check or the ause 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/UnSucces	sful/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 values:	BC=UDI, HLC=telex, no LLC	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=telex	
Comments:	transparently by the GSM PLMN addressed entity. The LLC/HLC r NOTE: In some networks the performed in the GMS	-to-end aspect. The LLC/HLC-IE is transferred and an ISDN between the call originating entity and the related part of the compatibility is up to the terminal. HLC is the related part of the compatibility checking C. In this case the network initiates call clearing to the evalue #63 "service or option not available, unspecified" ity not authorized".

IGUD_U18	ISDN ref. to:	PLMN ref. to:
		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	「S 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:	indicating cause value #88 "incompa	ring with a RELEASE COMPLETE message tible destination" and the network transport the the calling user sends the SETUP containing the adding system.
ISDN parameter values:	BC=UDI, HLC=message handling sy	vstem, no LLC
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=me	essage handling system,
Comments:	transparently by the GSM PLMN and addressed entity. The LLC/HLC relationship in the GMSC. In some networks the HLC performed in the GMSC. I	end aspect. The LLC/HLC-IE is transferred d an ISDN between the call originating entity and the ted part of the compatibility is up to the terminal. C is the related part of the compatibility checking n this case the network initiates call clearing to the lue #63 "service or option not available, unspecified" 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/UnSucces	sful/UDI	
ISDN selection	Bearer service UDI		
criteria:			
PLMN selection	UDI		
criteria:			
Test purpose:	Ensure that the user initiate call of	clearing with a RELEASE COMPLETE message	
	indicating cause #88 "incompatib	le destination" and the network transport the cause	
	value to the calling user when the	e 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	GSM-BC=UDI, V.110/X.30, HLC=OSI application		
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 GMS	C. In this case the network initiates call clearing to the	
	calling user with cause	e value #63 "service or option not available, unspecified"	
	or #57 "bearer capabil	ity not authorized".	

IGUD_U20	ISDN ref. to:	PLMN ref. to:
		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/UnSuccess	sful/UDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	UDI	
criteria:		
Test purpose:	indicating cause value #88 "incon	learing with a RELEASE COMPLETE message npatible destination" and the network transport the nen the calling user sends the SETUP containing the hony_ic.
ISDN parameter values:	BC=UDI, HLC=videotelephony_ic	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=videotelephony_ic	
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".	

IGUD_U21	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/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s, no LLC	
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: EN 300 403-1 [1], clause 4.5.19 ETS 300 103 [6], annex I, EG 201 018 [83], clause 7.1.1 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/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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 and the LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC=UDI, LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s	
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_U23	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/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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 values:	BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s, no LLC	
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/UnSuccessf	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 . The cause value with which the call shall be rejected	

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/UnSuccessf	ul/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	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
values:		
PLMN parameter		
values:		
Comments:		vers the cases where the subscription check or the . The cause value with which the call shall be rejected

IC LID LISE	ISDN ref. to:	PLMN ref. to:
IGUD_U26	1	
	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/UnSuccessf	ul/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:		vers the cases where the subscription check or the 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/UnSuccessf	ul/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	BC=UDI, HLC=FTAM, LLC=telematic_term	
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

IGUD_U28	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.17 and 4.5.19 EG 201 018 [83], clause 6.3.8	PLMN ref. to: EN 300 940 [59], annex H TS 100 976 [74], clause 102.2, table 6B-09.07
TSSreference:	ISDN-GSM/Basic_call/UnSuccess	ıful/UDI
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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 values:	BC=UDI, HLC=Eurofile, LLC=telematic_term	
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_U29	ISDN ref. to: EN 300 403-1 [1], clause 5.1, annex M PLMN ref. to: EN 300 940 [59], clauses 5.2.2.3.1 and H	1.1.6	
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI		
ISDN selection criteria:	Bearer service UDI	Bearer service UDI	
PLMN selection criteria:	UDI		
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/Unsuccessfu	ul/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

IGxxSSCLIP01	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 Re	ecommendations 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_services	s/CLIP
ISDN selection	CLIP	
criteria:		
PLMN selection	The called user is provided with CLI	P
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 pla	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_service	es/CLIR
ISDN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with Cl	_IP
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=unknown, NPI=unknown, SI=NP	
Comments:		

IG xxSSCLIR02	ISDN ref. to:	PLMN ref. to:
10XX0002102	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
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, 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:		

IGxxSSCOLP01	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_services	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	ISDN ref. to:	PLMN ref. to:	
	EN 300 098-1 [10], clauses 9.3.1 and 9.4.1	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:			

IG xxSSCUG01	ISDN ref. to:	PLMN ref. to:	
10xx6000001	EN 300 138-1 [11], clauses 9.2.2 and 9.2.4	TS 100 546 [57]	
	2.2.4	TS 100 545 [57]	
T00 (1001100110	[13 100 309 [03]	
TSSreference:	ISDN-GSM/Supplementary_services/CUG		
ISDN selection	CUG supplementary options: not OA; not ocl	b; not Pref. CUG	
criteria:			
PLMN selection	Calling user and called user belong to the san	ne CUG;	
criteria:	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the calling 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 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.		
ICDN managements			
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	S(CUGIndex))	
values:		` ''	
Comments:			

IG xxSSCUG02	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	llowing 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 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 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 values:	GSM-BC=G_BC_ID; Facility (Invoke=NotifyS	S(CUGIndex))
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	llowing CUG supplementary options: OA;		
criteria:	not ocb; not Pref. CUG			
PLMN selection	The called user belongs to the same CUG with	th the following CUG supplementary		
criteria:	options: IA; ICB	options: 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 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: 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: OA; not ocb; not Pref. CUG	
PLMN selection	The called user belongs to the same CUG with	the following CUG supplementary
criteria:	options: IA; not 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 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 values:	GSM-BC=G_BC_ID	
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]
TSSreference:	ISDN-GSM/Supplementary_service	es/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 is not a CUG subs	scriber
criteria:		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called 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: not IA ;
criteria:	not ICB	
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called 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:		

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_service	s/CUG	
ISDN selection	The calling user belongs to a CUG	The calling user belongs to a CUG with the following CUG supplementary options: not	
criteria:	OA; not ocb; not Pref. CUG		
PLMN selection	The called user is not member of C	UG.	
criteria:			
Test purpose:	Ensure that when the calling 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 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 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 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 parameter	BC=I_BC_ID; Facility IE with cUGCall invoke component:		
values:	OARequested set to TRUE		
	CUG Index included		
PLMN parameter			
values:			
Comments:			

IGxxSSCUG09	ISDN ref. to: EN 300 138-1 [11], clause 9.2.2 FN 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 criteria:	The called user belongs to the same CUG with the following CUG supplementary 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	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 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: 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 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 OCI	B; not Pref. CUG	
criteria:			
PLMN selection	Calling user and called user belong to the sam	e CUG;	
criteria:	CUG supplementary options: not IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a		
	not outgoing calls barred within the CUG and r		
	belongs to the same CUG with incoming acces		
	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 of	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_servi	ces/SUB
ISDN selection	SUB	
criteria:		
PLMN selection	The called (served) user is provide	ed 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 provided	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:		

IGI_xxSSCFU01	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 div	ersion	
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 C receives a SETUP message with the information that the incoming call is	а	
	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_se	ervices	
	are not in line with the EN 302 646-1, clause 6.1.1.10 (MSC acts like a	à	
	diverting exchange according to EN 300 356-15). The served mobile		
	subscriber has not the ability to decide if the indication that the incoming	ng call	
	is a forwarded call is released to the diverted-to user.		

IGIxxSSCFU02	ISDN ref.	to:	PLMN ref. to:
	EN 300 20	07-1 [17], clauses 9.2.2 and 9.2.5	EN 300 952 [63], clause 1
			TS 100 543 [55], clause 1
TSSreference:		M/Supplementary_services/CFU	
ISDN selection	Call to a fo	orwarding subscriber (CFU)	
criteria:			
PLMN selection	The user I	B is in network N2 provided with 0	CFU("calling user is notified of call
criteria:	diversion":	=No) (see note)	
Test purpose:	Ensure that	at when user A calls user B, the c	all is forwarded to user C.
	User A is	not notified of call diversion	
	User C red	ceives 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 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 64	46-1 [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 o	lecide if the indication that the incoming call
		is a forwarded call is released to	the diverted-to user.

IGG_xxSSCFU01	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 CFI	U("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 C receives a SETUP message with the N	NotifySSoperation that the incoming call is	
	a forwarded call.		
	Ensure that in the call delivered state (N4) the		
	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	CFUac	tive	
values:	GSM-BC=I_BC_ID		
Comments:	are not in line with the EN 302 646- diverting exchange according to EN	e call forwarding Supplementary_services 1 [94], clause 6.1.1.10 (MSC acts like a 300 356-15 [95]). The served mobile cide if the indication that the incoming call e diverted-to user.	

	I	T=	
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 CFI	U("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 C receives a SETUP message with the N	NotifySSoperation that the incoming call is	
	a forwarded call.		
	The reason for forwarding given to the forward	ded -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	
	are not in line with the EN 302 646-	-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		

IGG_xxSSCFU03	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 f	forwarded to user C.	
	User A is not notified of call diversion		
	User C receives a SETUP message with the Noti	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 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:		all forwarding Supplementary_services	
	are not in line with the EN 302 646-1 [<u>.</u>	
	diverting exchange according to EN 30		
	subscriber has not the ability to decide		
	is a forwarded call is released to the d	iverted-to user.	

IGP xxSSCFU01	ISDN ref.	to:	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	forwarding subscriber (CFU)	
criteria:			
PLMN selection			U("calling user is notified of call diversion
criteria:	"= Yes) (s	ee note)	
Test purpose:		nat when user A calls user B, the cal	I is forwarded to user C.
	User A is	notified of call diversion.	
	Ensure th	nat in the call delivered state (N4) the	e 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:	NOTE:	are not in line with the EN 302 646 diverting exchange according to El	e call forwarding Supplementary_services i-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 he diverted-to user.

IGPxxSSCFU02	ISDN ref.	. to:	PLMN ref. to:
	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	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:		nat when user A calls user B, the call is	forwarded to user C.
	User A is	not notified of call diversion.	
		nat in the call delivered state (N4) the t	
	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		
values:			
PLMN parameter	CFUactiv	re	
values:			
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of the	call forwarding Supplementary_services
			[94], clause 6.1.1.10 (MSC acts like a
		diverting exchange according to EN	
			le if the indication that the incoming call
		is a forwarded call is released to the	diverted-to user.

IGU_xxSSCFU01	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 CFI	U("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 C receives a SETUP message with the N	Notify Congration that the incoming call is	
	a forwarded call.	Total young call is	
	a 10111a1 a0 a ca	transfer of tone on the R-channel is	
	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:	are not in line with the EN 302 646- diverting exchange according to EN	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 e diverted-to user.	

IGU_xxSSCFU02	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 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	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.		

IGI_xxSSCFB01	ISDN ref.	to:	PLMN ref. to:
	EN 300 2	07-1 [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	orwarding subscriber (CFB)	
criteria:			
PLMN selection criteria:		B is in network N2 and is provide sion"= Yes) (see note)	d with CFB UDUB ("calling user is notified of
Test purpose:	Ensure the User A is User C reforwarded Ensure the performe Ensure the B-channe	at when user A calls busy user B notified of call diversion. Eceives a SETUP message with the call delivered state (N4) d correctly if tones/announcementat in the active call state (N10) the is performed correctly.	the transfer of tone on the B-channel is
ISDN parameter	A: ! BC=I_BC_ID		
values:	C : ? BC=	I_BC_ID	
PLMN parameter	CFBUDU	B active	
values:			
Comments:	NOTE:	are not in line with the EN 300 6 exchange according to EN 300	the call forwarding Supplementary_services 46-1 [96], (MSC acts like a diverting 356-15 [95]). The served mobile subscriber e indication that the incoming call is a diverted-to user.

IGI_xxSSCFB02	ISDN ref.	to:	PLMN ref. to:	
	EN 300 2	07-1 [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 f	orwarding subscriber (CFB)		
criteria:		-		
PLMN selection	The user	B is in network N2 and is provided wi	th CFB UDUB ("calling user is notified of	
criteria:	call divers	sion"= No) (see note)		
Test purpose:		at when user A calls busy user B, the	call is forwarded to user C.	
	User A is	not notified of call diversion		
	User C re	ceives a SETUP message with the in	formation that the incoming call is a	
	forwarded	d call.		
		at in the call delivered state (N4) the		
	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=	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 EN 300 646-1 [96	S], 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 deci	de if the indication that the incoming call	
		is a forwarded call is released to the	diverted-to user.	

IGI xxSSCFB03	ISDN ref. to:		PLMN ref. to:	
1GIXX33CI B03		[17], clauses 9.2.2, 9.2.4.3	EN 300 952 [63], clause 2	
	and 9.2.5	[17], clauses 9.2.2, 9.2.4.5		
TSSreference:		un nia mantani, aan isaa /CED	TS 100 543 [55], clause 2	
		upplementary_services/CFB		
ISDN selection	Call to a forward	arding subscriber (CFB)		
criteria:				
PLMN selection			ith CFB NDUB ("calling user is notified of	
criteria:	call diversion"	=Yes; "notification to forwarding	subscriber"= Yes) (see note)	
Test purpose:	Ensure that w	hen user A calls busy user B, the	e call is forwarded to user C.	
	User A is notif	ied of call diversion.		
	User B is notif	ied of call diversion.		
	User C receive	es a SETUP message with the in	nformation 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			
values:	C: ? BC=I BC			
PLMN parameter	CFBNDUB ac			
values:	CI DINDOB ac	uve		
	NOTE: Ot-	4 0 4 0		
Comments:			e call forwarding Supplementary_services	
			1 [96], clause 6.1.1.10 (MSC acts like a	
			I 300 356-15 [95]). The served mobile	
			cide if the indication that the incoming call	
	is a	forwarded call is released to the	e diverted-to user.	

IGI_xxSSCFB04	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 w	ith CFB NDUB ("calling user is notified of		
criteria:	call diversion"=No; "notification to forwarding s	subscriber"= No) (see note)		
Test purpose:	Ensure that when user A calls busy user B, the	e 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 in	nformation 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	C: ? BC=I_BC_ID		
PLMN parameter	CFBNDUB active	CFBNDUB active		
values:				
Comments:	are not in line with the EN 300 646- diverting exchange according to EN	e call forwarding Supplementary_services 1 [96], clause 6.1.1.10 (MSC acts like a I 300 356-15 [95]). The served mobile cide if the indication that the incoming call be diverted-to user.		

IGG_xxSSCFB01	ISDN ref.	to:		PLMN ref. to:
	EN 300 2	07-1 [17], clauses 9.2.2, 9.2.4	1.3	EN 300 952 [63], clause 2
	and 9.2.5			TS 100 543 [55], clause 2
TSSreference:	ISDN-GS	M/Supplementary_services/C	FB	
ISDN selection	Call to a	forwarding subscriber (CFB)		
criteria:				
PLMN selection	The user	B is in network N2 and is pro	vided with	CFB UDUB ("calling user is notified of
criteria:	call divers	sion"= Yes) (see note)		
Test purpose:		at when user A calls busy us	er B, the o	call is forwarded to user C.
		notified of call diversion.		
	User C re	ceives a SETUP message w	th the No	tifySSoparation that the incoming call is
	a forward			
				ansfer 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	B active		
values:	GSM-BC	=G_BC_ID		
Comments:	NOTE:	Stage 1, 2 and 3 description	s of the c	all forwarding Supplementary_services
		are not in line with the EN 3	00 646-1	[96], (MSC acts like a diverting
		exchange according to EN	300 356-1	5 [95]). The served mobile subscriber
		has not the ability to decide	if the indi-	cation that the incoming call is a
		forwarded call is released to	the diver	rted-to user.

IGGxxSSCFB02	ISDN ref. to:		PLMN ref. to:	
	EN 300 207-	1 [17], clauses 9.2.2, 9.2.4.3	.3 EN 300 952 [63], clause 2	
	and 9.2.5		TS 100 543 [55], clause 2	
TSSreference:		upplementary_services/CF	FB	
ISDN selection	Call to a forw	arding subscriber (CFB)		
criteria:				
PLMN selection	The user B is	in network N2 and is provide	ided with CFBUDUB ("calling user is notified of	
criteria:	call diversion	"= No) (see note)		
Test purpose:			r B, the call is forwarded to user C.	
	User A is not	notified of call diversion		
			h the NotifySSoparation that the incoming call is	s
	a forwarded			
		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	CFBUDUB a	ctive		
values:	GSM-BC=G_	BC_ID		
Comments:	NOTE: St	age 1, 2 and 3 descriptions	s of the call forwarding Supplementary_services	`
	are	e not in line with EN 300 64	46-1 [96], clause 6.1.1.10 (MSC acts like a	
	div	erting exchange according	g to EN 300 356-15 [95]). The served mobile	
	su	bscriber has not the ability t	to decide if the indication that the incoming call	l
	is	a forwarded call is released	d to the diverted-to user.	

IGG xxSSCFB03	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	10 100 0 10 [00];	
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:			
PLMN selection	The user B is in network N2 and is provided w	rith CFB NDUB ("calling user is notified of	
criteria:	call diversion"=Yes; "notification to forwarding	subscriber"= Yes) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the User A is notified of call diversion. User B is 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 and Ensure that in the active call state (N10) the via B-channels is performed correctly. BC=I BC ID	NotifySSoparation that the incoming call is transfer of tone on the B-channel is e applied.	
values:	BC=I_BC_ID		
PLMN parameter values:	CFBNDUB active GSM-BC=G BC ID		
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the are not in line with the EN 300 646-diverting exchange according to EN	e call forwarding Supplementary_services -1 [96], 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 e diverted-to user.	

IGG_xxSSCFB04	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 wit			
criteria:	call diversion"=No; "notification to forwarding su	ıbscriber"= No) (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 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			
	B-channels is performed correctly.			
ISDN parameter	BC=I_BC_ID			
values:				
PLMN parameter	CFBNDUB active			
values:	GSM-BC=G_BC_ID			
Comments:		call forwarding Supplementary_services		
		[96], clause 6.1.1.10 (MSC acts like a		
	diverting exchange according to EN			
		de if the indication that the incoming call		
	is a forwarded call is released to the	diverted-to user.		

IGPxxSSCFB01	ISDN ref.	. to:	PLMN ref. to:
	EN 300 2	07-1 [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 criteria:	Call to a forwarding subscriber (CFB)		
PLMN selection criteria:		B is in network N2 and is provided with sion"= Yes) (see note)	CFB UDUB ("calling user is notified of
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 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 values:	CFBUDUB active		
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of the ca are not in line with the EN 300 646-1 [9 exchange according to EN 300 356-15 has not the ability to decide if the indic forwarded call is released to the divert	96], (MSC acts like a diverting [95]). The served mobile subscriber ation that the incoming call is a

IGPxxSSCFB02	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	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 with	n CFB UDUB ("calling user is notified of
criteria:	call diver	rsion"= No) (see note)	
Test purpose:		hat when user A calls busy user B, the	call is forwarded to user C.
	User A is	s not notified of call diversion.	
		hat in the call delivered state (N4) the t	
		ed correctly if tones/announcement are	
	Ensure that in the active call state (N10) the voice/data transfer on the traffic an		
	B-channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFBUDL	JB active	
values:			
Comments:	NOTE:		call 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	diverted-to user.

IGPxxSSCFB03	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	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	with CFB NDUB ("calling user is notified of	
criteria:	call diver	sion"=Yes; "notification to forwarding	ig subscriber"= Yes) (see note)	
Test purpose:	User A is	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.		
	performe 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 values:	BC=I_BC_ID			
PLMN parameter values:	CFBNDUB active			
Comments:	NOTE:	are not in line with the EN 300 640 diverting exchange according to E	ne call forwarding Supplementary_services 6-1 [96], clause 6.1.1.10 (MSC acts like a EN 300 356-15 [95]). The served mobile ecide if the indication that the incoming call he diverted-to user.	

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		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 NDUB ("calling user is notified of	
criteria:	call diver	sion"= No ; "notification to forwarding su	bscriber"=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.		
	User B is	not notified of call diversion.		
	Ensure th	nat in the call delivered state (N4) the tr	ansfer of tone on the B-channel is	
	performe	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	CFBNDU	IB 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:
	EN 300 207-1 [17], clause	es 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/Supplementar	ry_services/CFB	
ISDN selection	Call to a forwarding subso	criber (CFB)	
criteria:	-		
PLMN selection	The user B is in network N	N2 and is provided with	CFB UDUB ("calling user is notified of
criteria:	call diversion"=Yes) (see	note)	
Test purpose:	Ensure that when user A	calls busy user B, the o	call is forwarded to user C.
	User A is notified of call d	iversion.	
	User C receives a SETUF	message with the Not	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		
	B-channels is performed correctly.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFBUDUB active		
values:	GSM-BC=G_BC_ID		
Comments:	are not in line v exchange acco has not the abi	vith the EN 300 646-1 ording to EN 300 356-1	all forwarding Supplementary_services [96], (MSC acts like a diverting 5 [95]).The served mobile subscriber cation that the incoming call is a ted-to user.

IGU_xxSSCFB02	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	5	TS 100 543 [55], clause 2	
TSSreference:	ISDN-GS	SM/Supplementary_services/CFE		
ISDN selection	Call to a	forwarding subscriber (CFB)		
criteria:				
PLMN selection	The user	B is in network N2 and is provid	ed with CFB UDUB ("calling user is notified of	
criteria:	call diver	sion"= No) (see note)		
Test purpose:	Ensure th	nat when user A calls busy user l	3, the call is forwarded to user C.	
	User A is	not notified of call diversion		
	User C re	eceives 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		
	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	CFBUDUB active			
values:	GSM-BC=G_BC_ID			
Comments:	NOTE:	Stage 1, 2 and 3 descriptions of	of the call forwarding Supplementary_services	
			-1 [96], clause 6.1.1.10 (MSC acts like a	
		diverting exchange according t	o EN 300 356-15 [95]). The served mobile	
			decide if the indication that the incoming call	
		is a forwarded call is released	to the diverted-to user.	

IGU xxSSCFB03	ISDN ref. to:	PLMN ref. to:	
100XX0001 B00	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	10 100 545 [55], clause 2	
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:	Call to a forwarding subscriber (CFB)		
PLMN selection	The upor P is in network N2 and is provided u	with CERNINI ("colling upon is notified of	
criteria:	The user B is in network N2 and is provided w call diversion"= Yes ; "notification to forwarding		
Test purpose:	Ensure that when user A calls busy user B, th		
rest purpose.	User A is notified of call diversion.	le call is forwarded to user C.	
	User B is notified of call diversion.		
		Notify@Congration that the incoming call is	
	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:	DC=I_DC_ID		
PLMN parameter	CFBNDUB active		
values:			
	GSM-BC=G_BC_ID	H (P O I ()	
Comments:		e call forwarding Supplementary_services	
		-1 [96], 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	ie divertea-to user.	

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	FB	
ISDN selection	Call to a forwarding subscriber (CFB)		
criteria:			
PLMN selection	The user B is in network N2 and is prov	rided with CFB NDUB ("calling user is notified of	
criteria:	call diversion"=No; "notification to forwa		
Test purpose:	Ensure that when user A calls busy use	er 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	CFBNDUB active		
values:	GSM-BC=G_BC_ID		
Comments:		s of the call forwarding Supplementary_services	
		00 646-1 [96], clause 6.1.1.10 (MSC acts like a g to EN 300 356-15 [95]). The served mobile	
		to decide if the indication that the incoming call	
	is a forwarded call is release		
	is a folwarded call is felease	u to the diverteu-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_service	es/CFNRy
ISDN selection	Call to a forwarding subscriber (CF	NRy)
criteria:		
PLMN selection	The user B is in network N2 and is	provided with CFNRy ("calling user is notified of call
criteria:		varding 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:	are not in line with EN 3 diverting exchange acco subscriber 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 ibility to decide if the indication that the incoming call eased 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	
	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"= No "notification to forwarding subscriber"= No) (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 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 and B-channels is	
ISDN parameter	performed correctly. A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFNRy active	
values:	OF WKy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary services	
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.	

ICC WCCCEND: 04	ICDN ref. to.
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"= No "notification to forwarding subscriber"= No) (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 is not notified of call diversion. User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.	
ISDN parameter values:	A: ! BC=I_BC_ID	
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.	

IGPxxSSCFNRy01	ISDN ref. to: PLMN ref.	
	EN 300 207-1 [17], clauses 9.2.2, EN 300 95	2 [63], clause 3
	9.2.4.4 and 9.2.5 TS 100 54	3 [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 w	ith CFNRy ("calling user is notified of call
criteria:	diversion"=Yes, "notification to forwarding sub	scriber"= Yes) (see note)
Test purpose:	Ensure that when user A calls user B, if unans	wered, the call is forwarded to user C.
	User A is notified of call diversion.	
	User 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:	are not in line with EN 300 646-1 [9 diverting exchange according to EN	call forwarding Supplementary_services 6], clause 6.1.1.10 (MSC acts like a 1 300 356-15 [95]). The served mobile ide if the indication that the incoming call e diverted-to user.

IGP_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"=No "notification to forwarding subscriber"=No) (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 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 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.	

IGUxxSSCFNRy01	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 values:	CFNRy active 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.	

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"= No "notification to forwarding subscriber"= No) (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 is not notified of call diversion.	
	User C 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.	

IGI xxSSCFNRc01	ISDN ref. to:	PLMN ref. to:
IGIXXSSCI NICCOT		
	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_servic	es/CFNRc
ISDN selection	Call to a forwarding subscriber (CF	NRc)
criteria:		
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion"= Yes) (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. 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	CFNRc active, the user is detached	
values:		
Comments:	are not in line with EN 3 diverting exchange according subscriber 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 ability to decide if the indication that the incoming call eased to the diverted-to user.

IGI_xxSSCFNRc02	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 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	CFNRc active, the user is detached		
values:	or the delive, the deciried		
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_xxSSCFNRc01	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 criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion"= Yes) (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.	
	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 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.	

IGG_xxSSCFNRc02	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 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 B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFNRc active, the user is detached 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.	

IGP_xxSSCFNRc01	ISDN ref. to:	PLMN ref. to:	
	EN 300 207-1 [17], cla	uses 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/Suppleme	ntary_services/CFNRc	
ISDN selection	Call to a forwarding su	oscriber (CFNRc)	
criteria:			
PLMN selection	The user B is in netwo	k N2 and is provided with CFNRc ("calling user is notified of call	
criteria:	diversion"=Yes) (see r	ote)	
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.		
	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 lir diverting ex subscriber l	nd 3 descriptions of the call forwarding Supplementary_services the with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a change according to EN 300 356-15 [95]). The served mobile has not the ability to decide if the indication that the incoming call and 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, 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.	
	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:	, and the second	
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.	

IGU_xxSSCFNRc01	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"= Yes) (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.	
	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 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.	

IGU_xxSSCFNRc02	ISDN ref. to: PLMN ref. to:			
	EN 300 207-1 [17], clauses 9.2.2, EN 300 952 [63], claus	se 3		
	9.2.4.4 and 9.2.5 TS 100 543 [55], claus	se 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 cal	l is forwarded to		
	user C.			
	User A is not notified of call diversion.			
	User C receives a SETUP message with the NotifySSopa	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 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 forward are not in line with EN 300 646-1 [96], clause 6			
	diverting exchange according to EN 300 356-15			
	subscriber has not the ability to decide if the incis a forwarded call is released to the diverted-to			

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_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 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_serv	ices/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:				

IGxxSSHOLD03	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	Call Hold	
criteria:			
Test purpose:		tiate Call Hold, the called remote user is notified of eleased from the called non -served user during the	
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_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 called user in the held state.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSHOLD06	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_service	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_service	es/CW
ISDN selection	CW	
criteria:		
PLMN selection	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 im	plicit request		
criteria:				
PLMN selection	UUS1i	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:				

IGxxSSUUS1i02	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/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 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:	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/UUS	1
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	1 31
ISDN selection	The calling (served) user is provided with	
criteria:		•
PLMN selection	UUS1i	
criteria:		
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	GSM-BC=G_BC_ID, UI length=32	
values		
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/UUS	S1
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, 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	31i
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	S1e
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:		

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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/UUS16	
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: EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	PLMN ref. to: EN 300 646-1 [96], clause 6.1.1.4
TSSreference:	ISDN-GSM/Supplementary_services/UUS1	е
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", 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 values:	GSM-BC=G_BC_ID	
Comments:		

IGxxSSUUS1e04	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 4.1.2
TSSreference:	ISDN-GSM/Supplementary_services/UU	S1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	Destination network rejects explicit the	UUS1 request
criteria:		
Test purpose:	Ensure that after explicit request of UUS	I indicating "preferred", the destination network
	rejects explicit the UUS1 request withou	
	The calling network shall include a service	e 1 rejection with the error value
	"rejectedByUser" in a CALL PROCEEDING, PROGRESS,	
	ALERTING or CONNECT message to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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	
		rned in the user-to-user indicators parameter in
	the address complete, call progress, ans	wer, connect, or release messages.

IGxxSSUUS1e05	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/UUS1e	
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required", 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	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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/UUS1e	
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required", 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 "required", 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	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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_servic	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", 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/U	US1e
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 the network itself cannot support 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	UUS1e	
criteria:		
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	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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_services/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:		

IGxxSSUUS204	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 USER INFORMATION messages, between the messages in each direction.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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/UUS	32
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:	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:	GSM-GSM/Supplementary_services/UUS2	
ISDN selection	UUS2	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", 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	BC=I_BC_ID	
values:		
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/UUS3	
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "preferred",	
	the network can transport USER INFORMATION messages in both directions during the	
	Active state of the call.	
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/UUS3	
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:	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/UUS3	
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "required", the network can transport USER INFORMATION messages in both directions during the Active state of the call	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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 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	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	
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS3 during the Active call state 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:	PLMN ref. to:
	EN 300 286-1 [14], clause 9.3.2.2	EN 300 646-1 [96], clause 6.1.1.4
	EN 300 403-1 [1], clause 7	TS 124 087 [97], clause 4.3.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection	UUS3	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "preferred", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
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_service	es/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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI xxSNECT02	ISDN ref. to:	PLMN ref. to:
101	EN 300 369-1 [25], clause 9	EN 300 940 [59], clause 5.2
	L 3'	1 1
TSSreference:	ISDN-GSM/Supplementary_service	es/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 A-B is in the Active call sate	
	and the call A-C is in the Active call state - Call Held auxiliary state, a connection	
	between user B and user C is established and the calls	
	A-B and A-C are released.	
	The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	I	
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_service	es/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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI_xxSNECT04	ISDN ref. to:	PLMN ref. to:
	EN 300 369-1 [25], clause 9	EN 300 940 [59], clause 5.2
TSSreference:	ISDN-GSM/Supplementary_service	es/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 A-B is in the Active call state and the call A-C is in the Call Delivered State - Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGxxSSCCBS01	ISDN ref. to: PLMN ref. to:	
	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:	service is available to user A	
	Signalling procedures at the coincident S and T reference point	
	recall option=RO_ID	
	User A is in network N1, user B is in network N2	
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a successful CCBS call setup if a multipoint	
ICDN parameter	configuration exits.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter		
values:		
Comments:	The network N1 in the Disconnect Indication call state N12 and CCBS Idle state and	
Gommente.	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.	

IGxxSSCCBS02	ISDN ref. to:	PLMN ref. to:	
	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	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	The network N1 in the Outgoing call proceeding of to indicate that user B has responded to the call with sends an ALERTING message followed by a FAC information element with a cCBSErase invoke ind "normal-unspecified" and enters the call state NO	vith an ALERTING message, CILITY message containing a Facility icating cCBSEraseReason	

IG xxSSCCBS03	ISDN ref. to:	PLMN ref. to:	
16XXCCCCBCCC	EN 300 359-1 [24]	EN 300 646-1 [96], clause 6.1.1.14	
T00	L 3	L 1'	
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:	to indicate that user B has respond CONNECT message followed by a	all proceeding call state N03 and CCBS Call Init state, ded to the call with a CONNECT message, sends a a FACILITY message containing a Facility information indicating cCBSEraseReason "normal-unspecified"	

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 supplem	nentary service and this supplementary
criteria:	service is available to user A	
	Signalling procedures at the coincident S and T	
	User A is in network N1, user B is in network N2	
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS Activated state the	
	user can initiate the deactivation procedure.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	Ensure that the user (when the network A is in the state), on receipt of a FACILITY message contains a CCBSDeactivate invoke component including the sends to user A a FACILITY message containing CCBSDeactivate return result component with Counspecified and a Facility message containing a CCBSerase invoke component.	ining a Facility information element with the correct CCBSReference parameter, g a Facility information element with a CBSEraseReason indicating "normal-

IGxSSCCBS05	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	OLE and DLE are supporting the C	CBS supplementary service and this supplementary
criteria:	service is available to user A	
	Signalling procedures at the coincid	
	User A is in network N1, user B is i	n network N2.
PLMN selection		
criteria:		
Test purpose:	Ensure that when the network A is	in the call state N00 and CCBS free state the user
	can initiate the deactivation procedure.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	,	work A is in the call state N00 and CCBS free state),
	on receipt of a FACILITY message containing a Facility information element with a	
	CCBSDeactivate invoke component including the correct CCBSReference parameter,	
	sends to user A a FACILITY message containing a Facility information element with a	
	CCBSDeactivate return result component with CCBSEraseReason indicating	
	"normal-unspecified" and a Facility message containing a Facility information element	
	with a CCBSerase invoke component.	

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	Network A and network B are supp	orting the CCBS supplementary service and this
criteria:	supplementary service is available	
	Signalling procedures at the coincide	dent 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	orting the CCBS supplementary service and this
criteria:	supplementary service is available to user A.	
	Signalling procedures at the coincid	dent S and T reference point
	Recall option=RO_ID.	
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	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	Bearer capability information element with a CCBSCall invoke copreviously sent CCBSRemoteUser selected, the network A sends to us	If 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 urthermore, network A shall suspend the CCBS

IGxxSSCCBS08	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	
	The network option "CCBS reques"	t retention" is set to "yes"
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 values:	BC=I_BC_ID	
PLMN parameter		
values:		
Comments:	Ensure that the network A in the O	utgoing Call Proceeding state and CCRS Call Init
Comments.	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again,	
	the network A sends to user A a DISCONNECT not containing a Facility information	
	element with a CCBSErase invoke component.	
	Network B shall resume monitoring user B for being not busy.	

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	to user A.	
	Signalling procedures at the coincid		
	Network option "CCBS request rete	ntion" is set to "no"	
	multipoint configuration		
PLMN selection			
criteria:			
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
		aring. User A can activate the CCBS supplementary	
	service again.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	State, where a multipoint configu	utgoing Call Proceeding state and CCBS Call Init ration exists, if network B cannot establish the call	
	because user B is busy again,		
	the network A sends to user A a DISCONNECT or RELEASE COMPLETE message		
	containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID		
	sends a FACILITY message (UI frame) containing a Facility information element with a		
	CCBSErase invoke component including CCBSEraseREason encoded as		
	"basic-call-failed.		
	User A can activate the CCBS supplementary service again.		

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/Supplementary_serv	vices/CCBS
ISDN selection	Network A and network B are su	pporting the CCBS supplementary service and this
criteria:	supplementary service is availab	ole to user A.
	Signalling procedures at the coir	
	Network option "CCBS request i	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 multipoint configuration exists, if network B cannot establish the call for any reason other than the called user is busy, the network A sends to user A a DISCONNECT message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed. User A can activate the CCBS supplementary service again.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:		

IGxxSSCCBS11	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 to user A.	
	Signalling procedures at the coinci	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:			

IGI xxSICFU CLI C	ISDN ref. to:	PLMN ref. to:
OL01	EN 300 207-1 [17]	EN 300 952 [63], clause 1
OLUT	clauses 9.2.2 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 n	etwork N1. User A is provided with CLIP and COLP
criteria:	user C is provided with CLIP.	etwork NT. Oser A is provided with CEIF and COEF
PLMN selection		ed 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 and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User 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 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 Redirecting number 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.	

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	
	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 CLIR 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) and CLIP (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 and the presentation of the diverted-to number is not 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	A: ! BC=I_BC_ID	
values:	C: ? BC=I_BC_ID	
PLMN parameter	CFUactive	
values:		
Comments:	cer A is notified of call diversion with a Notification indicator IE contained in a NOTIFY CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, FORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or DIFY (state N04) message. The presentation of the diverted-to number is not allowed accordance with the COLR openentary service of the diverted-to user. The Redirection number IE with the numbering identification field and the type of meber field set to "unknown", without a number digits field and the presentation icator either set to "presentation restricted" can be included in the ALERTING, DNNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or FORMATION (state N04) message. The Can receive a SETUP message containing one Redirecting number IE giving a reason for call diversion with the presentation indicator set to "presentation allowed". The 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.	

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		
	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 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		
ICDN parameter	performed correctly.		
ISDN parameter values:	A: ! BC=I_BC_ID C: ? BC=I_BC_ID		
PLMN parameter	CFUactive		
values:	Croactive		
Comments:	The Redirection number IE 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 redirecting number to the forwarded-to subscriber in the ISUP signalling of		
	GSM operators has to be considered as an implementation option.		
L	Gow operators has to be considered as an implementation option.		

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 no	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 provide	ed with CFU("calling user is notified of call diversion
criteria:	"= Yes) 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 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:		

IGGxxSICFU_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 ne	etwork N1. User A is provided with CLIR and COLP.
criteria:		
PLMN selection	The user B is in network N2 provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes) and CLIP. User C	is provided with COLR and CLIP.
Test purpose:	allowed accordance with the COLR Ensure that when the Calling party party number information element information. Ensure that in the call delivered state performed correctly if tones/annour Ensure that in the active call state (performed correctly.	and the presentation of the diverted-to number is not supplementary service of the diverted-to user. number is provided by the calling user, the Calling is delivered to the called user without any digit te (N4) the transfer of tone on the B-channel is
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_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:		·	
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	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 values:	BC=I_BC_ID		
PLMN parameter values:	CFUactive		
Comments:	are not in line with the E diverting exchange acco subscriber has not the a	otions of the call forwarding Supplementary_services IN 302 646-1 [94], clause 6.1.1.10 (MSC acts like a prding 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.	

IGU_xxSICFU_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_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 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	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.	1410) the voice, data transfer on the B originion is	
ISDN parameter	BC=I BC ID		
values:			
PLMN parameter	CFUactive		
values:			
Comments:			

IGU_xxSICFU_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 not	
	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 values:	BC=I_BC_ID		
PLMN parameter values:	CFUactive		
Comments:			

IGU_xxSICFU_CLI_ COL03	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/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 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:	user C is provided with CLIP.		
PLMN selection	The user B is in network N2 and is provided with CFB UDUB ("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.		
l cot par poco.	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 C can receive the Redirecting number 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.		

IGI xxSICFB 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/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 UDUB ("calling user is notified of call		
criteria:	diversion"= 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 and the presentation of the diverted-to number is not 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	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 not 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 Redirecting number 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:		
OL03	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 (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 <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	CFBUDUB active		
values:			
Comments:	The Redirection number IE 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 OF A S TO I S S S S S S S S S S S S S S S S S S		
	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.		
	Oom 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, 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 NDUB ("calling user is notified of		
criteria:	call diversion"=Yes; "notification to forwarding subscriber"=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 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 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	CFBNDUB active		
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 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".		
	User B is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of		
	Icall 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		
	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		PLMN ref. to:	
OL05	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/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 provide	ed with CFB NDUB ("calling user is notified of call	
criteria:		varding subscriber"=Yes) and CLIP (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 not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User 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	CFBNDUB 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 not 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 Redirecting number IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User B is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion.		
	are not in line with EN 30 diverting exchange acco subscriber has not the all is a forwarded call is redirecting number to the subscriber has not the subscriber has not the subscriber has not subscriber to the subscriber has not subscriber to the subscriber has not subscriber ha	otions of the call forwarding Supplementary_services 200 646-1 [96], clause 6.1.1.10 (MSC acts like a rding 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 the considered as an implementation option.	

IGIxxSICFB_CLI_C	ISDN ref. to: PLMN ref. to:		
OL06	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, COLP, user		
criteria:	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 (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 <i>Redirecting number</i> IE with the presentation indicator set to		
	"presentation restricted".		
	User 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	CFBNDUB active		
values:	TI B II di LI II di LI II di ALEDTINO CONNECT		
Comments:	The Redirection number IE 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 Redirecting number 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 redirecting number 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_servic	ISDN-GSM/Supplementary_services/CFB_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	The user B is in network N2 and is	provided with CFB UDUB ("calling user is notified of		
criteria:	call diversion"=Yes) and CLIP (see	e 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 a	and the presentation of the diverted-to number is		
		R 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	A: ! BC=I_BC_ID			
values:	C: ? BC=I_BC_ID			
PLMN parameter	CFBUDUB active			
values:				
Comments:		otions of the call forwarding Supplementary_services		
		EN 302 646-1 [94], 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		
	is a forwarded call is rel	eased to the diverted-to user.		

IGGxxSICFB_CLI_	ISDN ref. to: PLMN ref. to:	
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 UDUB ("calling user is notified of call	
criteria:	diversion"=Yes) and CLIP (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 and the presentation of the diverted-to number is not 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	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.	

IOOOIOED OLL	ICDN ref to:		
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 CFB UDUB ("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:			

IGIxxSICFB_CLI_C	ISDN ref. to: PLMN ref. to:		
OL04	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 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 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 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 values:	BC=I_BC_ID		
PLMN parameter values:	CFBNDUB active		
Comments:			

ICC WEICER CLI	ISDN ref. to: PLMN ref. to:		
IGGxxSICFB_CLI_			
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 CFB NDUB ("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 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.		
ISDN parameter	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_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 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 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	CFBNDUB active		
values:			
Comments:			

IGIxxSICFNRy_CLI	ICDN rof to	PLMN ref. to:	
_COL01		EN 300 952 [63], clause 3	
_COLUI			
TSSreference:	9.2.4.4 and 9.2.5 TS 100 543 [55], clause 3 ISDN-GSM/Supplementary_services/CFNRy_CLI_COL		
ISDN selection			
		etwork N1. User A is provided with CLIP and COLP,	
criteria:	user C is provided with CLIP.		
PLMN selection		provided with CFNRy ("calling user is notified of call	
criteria:		varding subscriber"= Yes). and CLIP (see note).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.		
		The presentation of the diverted-to number is allowed	
		nentary service of the diverted-to user.	
		ng number IE giving the reason for call diversion with	
	the presentation indicator set to "pre	esentation allowed".	
	User B is notified of call diversion.		
		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:	C: ? BC=I_BC_ID		
PLMN parameter	CFNRy active		
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		
	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 mess	sage containing one <i>Redirecting number</i> IE giving	
		e presentation indicator set to "presentation allowed".	
	User B is notified with a NOTIFY (Invoke=NotifySS[CFNRy, SS-Notification]) message		
	of call diversion.		
		tions of the call forwarding Supplementary_services	
		00 646-1 [96], clause 6.1.1.10 (MSC acts like a	
		rding 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	
	redirecting number to the forwarded-to subscriber in the ISUP signalling		
	GSM operators has to be	e considered as an implementation option.	

IGIxxSICFNRy_CLI	ISDN ref. to:	PLMN ref. to:	
_COL02	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		ed with CFNRy ("calling user is notified of call	
criteria:		varding subscriber"= Yes) (see note)	
Test purpose:	Ensure that when user A calls user		
	User A is notified of call diversion.	The presentation of the diverted-to number is not	
		R supplementary service of the diverted-to user.	
		ng number IE giving the reason for call diversion with	
	the presentation indicator set to "pi	resentation allowed".	
	User B is notified of call diversion.		
		number is provided by the calling user, the Calling	
	1	is delivered to the called user without any digit	
	information.	((14) 4) (((((((((((((((((
		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.		
values:	A: ! BC=I_BC_ID		
PLMN parameter	C: ? BC=I_BC_ID CFNRv active		
values:	Crinky active		
Comments:	User A is notified of call diversion with a Notification indicator IE contained in a NOTIFY		
		I), ALERTING, PROGRESS, CONNECT,	
	· ·	N03), PROGRESS, CONNECT, INFORMATION or	
	NOTIFY (state N04) message.		
	· · · · · · · · · · · · · · · · · · ·	number is not allowed accordance with the COLR	
	supplementary service of the divert		
	The Redirection number IE with 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	,	
		ssage containing one <i>Redirecting number</i> IE giving	
		ne presentation indicator set to "presentation allowed".	
	User B is notified with a FACILITY (Invoke=NotifySS[CFNRy, SS-Notification]) message		
	of call diversion.		
		otions of the call forwarding Supplementary_services	
	are not in line with EN 3	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	
	GSM operators has to b	e 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_service	es/CFNRy_CLI_COL
ISDN selection	The user A and the user C are in r	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	s provided with CFNRy ("calling user is notified of call
criteria:	diversion"=No "notification to forward	arding subscriber"=No) and CLIR (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 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". User 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:	are not in line with the E diverting exchange acc subscriber has not the a	ptions of the call forwarding Supplementary_services EN 302 646-1 [94], 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.

IGGxxSICFNRy_CL	ISDN ref. t	o:	PLMN ref. to:
I_COL01	EN 300 403	3-1 [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_service	es/CFNRy_CLI_COL
ISDN selection	The user A	and the user C are in n	etwork N1. User A is provided with COLP, user C is
criteria:	provided w	ith 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 forw	varding 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. 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.		
values:	BC=I_BC_ID		
PLMN parameter values:	CFNRy active		
Comments:		are not in line with the E diverting exchange acco subscriber has not the a	otions of the call forwarding Supplementary_services N 302 646-1 [94], clause 6.1.1.10 (MSC acts like a prding to EN 300 356-15 [95]). The served mobile ibility to decide if the indication that the incoming call eased to the diverted-to user.

IGGxxSICFNRy_CL	ISDN ref. to:	PLMN ref. to:		
I_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/Speech/CFNRy_CLI_COL		
ISDN selection	The user A and the user C are in no	etwork N1. User A is provided with CLIR and COLP,		
criteria:	user C is provided with COLR and			
PLMN selection		ed with CFNRy ("calling user is notified of call		
criteria:	diversion"=Yes, "notification to forw	varding subscriber"= Yes)		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C.			
		The presentation of the diverted-to number is not		
		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.			
ISDN parameter	BC=I_BC_ID			
values:				
PLMN parameter	CFNRy active			
values:				
Comments:		·		

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_service	es/CFNRy_CLI_COL
ISDN selection	The user A and the user C are in ne	etwork N1. User A is provided with CLIP and COLP,
criteria:	user C is provided with CLIP.	
PLMN selection criteria:		provided with CFNRy ("calling user is notified of call
Test purpose:	diversion"=No "notification to forwarding subscriber"=No) and CLIR. 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 values:	BC=I_BC_ID	
	CENDy active	
PLMN parameter values:	CFNRy active	
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_service	es/CFNRy_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		provided with CFNRy ("calling user is notified of call
criteria:	diversion"=Yes, "notification to forw	warding subscriber"=Yes). and CLIP (see note).
Test purpose: ISDN parameter	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	
values:		
PLMN parameter	CFNRy active	
values:		
Comments:	are not in line with the E diverting exchange acco subscriber has not the a	otions of the call forwarding Supplementary_services in 302 646-1 [94], clause 6.1.1.10 (MSC acts like a prding 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.

IGU_xxSICFNRy_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_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)		
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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	CFNRy active		
values:			
Comments:			

IGU_xxSICFNRy_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"=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 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:			

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_CLI_COL		
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.		
The user B is in network N2 and is provided with CFNRc ("calling user is notified of call		
diversion"=Yes) and CLIP (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. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the Redirecting number 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. A: ! BC=I_BC_ID		
A: ! BC= _BC_ID		
CFNRc active, the user is detached		
or twice active, the user is detached		
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 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 Redirecting number 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		

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"=Yes) 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 not allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the Redirecting number 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	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 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 not 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 Redirecting number 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.		

IGI_xxSICFNRc03	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 criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values:	CFNRc active, the user is detached			
Comments:	User A is not notified of call diversion and not informed of the diverted-to number. The Redirection number IE 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 Redirecting number 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 redirecting number 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"= Yes) (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 values:	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 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 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"= Yes) 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 not 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 values:	BC=I_BC_ID			
PLMN parameter values:	CFNRc active, the user is detached			
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.			

IGGxxSICFNRc03	ISDN ref. to: EN 300 207-1 [17], clauses 9.2.2, 9.2.4.4 and 9.2.5 PLMN ref. to: EN 300 952 [63], clause 3 TS 100 543 [55], clause 3		
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRc_CLI_COL		
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP,		
PLMN selection criteria:	user C is provided with CLIP. The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 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 values:	BC=I_BC_ID		
PLMN parameter values:	CFNRc active, the user is detached		
Comments:			

IGU_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"=Yes).		
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 values:	BC=I_BC_ID		
PLMN parameter values:	CFNRc active, the user is detached		
Comments:			

IGUxxSICFNRc02	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"=Yes).		
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 not 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 values:	CFNRc active, the user is detached		
Comments:			

IGU_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_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 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	1	
values:			
Comments:			

IGI_xxSICUG01	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/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.	

IGI_xxSICUG02		PLMN ref. to: S 100 518 [50]	
TSSreference:	ISDN-GSM/Supplementary_services		
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	BC=I_BC_ID		
values:			
PLMN parameter			
values:			
Comments:	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/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 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.

IGI_xxSICUG04	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.	

IG xxSICUG05	ISDN ref. to:	PLMN ref. to:
	EN 300 138-1 [11]	TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_service	s/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.

IGI_xxSICFB01	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=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:		

IGI_xxSICFB02	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:		

IGI_xxSICFB03	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:	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. 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 receive a call diversion notification.		
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:		

IGI_xxSICFB05	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=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	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI_xxSICFB06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	S 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_service	s/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:		

IGxxSICLIP_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 CLII	P
criteria:		
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is	
	set to: TON_ID, with Calling party subaddress, 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 SI=UP	VP, TON=TON_ID
	Calling party subaddress	
GSM parameter	GSM-BC=G_ITC,	
values:	Calling party number: PI=PA, SI=UP	VP, TON=national / international number
		n (ITU-T Recommendations E.164 [37]/E.163 [106])
	Calling party subaddress	
Comments:		

Values for test purpose: IGxxSICLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

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_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 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, TOI	N=unknown, NPI=unknown, SI=NP
Comments:		

	IODNI C.	District Co.
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:		

IGxxSSCOLP_SUB01	ISDN ref. to:	PLMN ref. to:
	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_se	rvices/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	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 use	d)	
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The calling user must be a basic a	iccess.	

IGxxSNTP02	ISDN ref. to:	PLMN ref. to:
	EN 300 055-1 [13], clause 9.2.2	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	TP	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call reestablishment, 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 ac	ccess.

IGIxxSNCONF01	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		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish conference of	call from the Null call state.	
ISDN parameter	BC=I_BC_ID	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 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]. After the reception off the CONNECT message, user A is initiating the call hold procedure, the call is an Active-Held connection. 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. 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 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 users.		

IGIxxSNCONF02	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.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 6	46-1 [96], clause 6.1.1.8 is not in line with the
	ITU-T Recommendation notifications to the remo	n Q.734.1. The PLMN does not support the sending of ote users.

IOIONOONITOO	ISDN ref. to: PLMN ref. to:	
IGIxxSNCONF03		
	EN 300 185-1 [16], clause 9.2.2, EN 300 646-1 [96], clause 6.1.1.8	
T00 (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 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 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.	
	Hotalications to the remote users.	

TSSreference: ISDN-GSM/Supplementary_services/CONF ISDN selection			
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: The user A is in network N1 and is provided with CONF. User B and C a	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 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.		
the user B has been added to the conference ("Conference established"	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 ad	ded (CRy)		
including an AddCONF invoke component.	with a Facility IF		
The network shall send a DISCONNECT message (with CRy) to user A	. WILL A FACILITY IE		
	with an AddCONF return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.		
the user C has been added to the conference ("Conference established	User C shall receive a NOTIFY message with a Notification indicator IE indicating that		
User B shall receive a NOTIFY message with a Notification indicator IE			
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 supponotifications 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.	dometerioe can with aser b and aser o and isolate	
ISDN parameter	BC=I_BC_ID		
values:	0014 D0 0 D0 1D		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:	GSM-BC=G_BC_ID 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 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 a new remote user has been added to the conference ("Cother party added"). User A sends a FACILITY message with a Facility IE including a IsolateCONF invoke 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 component. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been reattached to the conference ("Other party reattached"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B h		
	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 xxSNCONF06	ISDN ref. to:	PLMN ref. to:	
101XX01100111 00		EN 300 646-1 [96], clause 6.1.1.8	
	annex A, figure A.9	1,	
TSSreference:	ISDN-GSM/Supplementary_services/CONF		
ISDN selection	CONF		
criteria:			
PLMN selection			
criteria:	<u> </u>		
Test purpose:		conference call with user B and user C and verify that	
ISDN parameter	one party can be spitted. BC=I_BC_ID		
values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G BC ID		
values:	COM		
Comments:	The user A is in network N1 and is r	provided with CONF. User B and C are in network	
	N2.		
	User A calls user B (with CRx). Afte		
		ends a FACILITY message including a Facility IE	
		nvoke component indicating the call reference of the	
	call to be added (CRx).	A 14 EAOUTTY	
	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 AddCONF invoke component.		
		NECT message (with CRy) to user A with a Facility IE	
	with an AddCONF return result component.		
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that		
	the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a 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").		
	user B is disconnected from the cor	iterence ("conference disconnected").	
	NOTE: The standard EN 300 64	6-1 [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.		

IGI xxSNCONF07	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.10-A.12		
TSSreference:	ISDN-GSM/Supplementary_services/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:	50-1_50_15		
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 BeginCONF invoke component indicating the call reference of the	е	
	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	ıg	
	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 cal 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	ΙE	
	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 indicator new remote user has been added to the conference ("Other party added").		a	
	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 indicator			
	the user B has been disconnected from the conference ("other party disconnected").Us	ser	
	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	S.	
	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:		
161XX61466141 66	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:	OON		
PLMN selection			
criteria:			
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote		
rest purpose.	user B can disconnect the conference and that user A can terminate the conference		
	user B can disconnect the conference and that user A can terminate the conference using the basic call clear procedure.		
ISDN parameter	BC=I BC ID		
values:	DO-1_DO_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:	G3 V -DC=G_DC_ID		
Comments:	The user A is in petwerk N1 and is provided with CONE. Hear P is in petwerk N2		
Comments.	The user A is in network N1 and is provided with CONF. 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"). 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 AddCONF invoke component.		
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE		
	with an AddCONF return result component.		
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.		
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").		
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a		
	new remote user has been added to the conference ("Other party added").		
	User B send a DISCONNECT message, the network shall send to user A a FACILITY		
	message with a Facility IE including a PartyDISC invoke component with a parameter indicating the PartyId 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		
	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:	
7007000110011101	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_services/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: 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.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 [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_service	es/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an exis	sting 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_service	ces/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can add an inc	oming 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_service	es/CONF
ISDN selection	CONF	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that user A can establish a and reattach user B.	conference call with user B and user C and isolate
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGG 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	Liv 300 040 1 [30], diad30 0.1.1.0
	armex A, rigure 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:		

IGGxxSNCONF07	annex A, figure A.10-A.12	PLMN ref. to: EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_service	es/CONF
ISDN selection criteria:	CONF	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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:	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 using the basic call clear procedure.	
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGI xxSN3PTY01	ISDN ref. to		PLMN ref. to:
IGIXXSN3P1101		-1 [20], clause 9.2	EN 300 646-1 [96], clause 6.1.1.14
TSSreference:		<u> </u>	
		Supplementary_serv	rices/3PTY
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:	and release	the Active-Idle conn	a three-way conversation call with user B and user C ection (A-C). After the completion of the Retrieve ure is performed from user A.
ISDN parameter	BC=I_BC_II	<u> </u>	·
values:			
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 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 A relating to the Active-Idle		
	connection (CRy) the network sh	nall clear the call to user C with a DISCONNECT
	message. After the release of the three-way bridge the network is sending to the remote user B the notification "Remote hold".		
	When user	A sends a RETRIEV	E message for CRx the network shall send a NOTIFY
			Notification indicator IE with a notification description of
			r A shall receive a RETRIEVE ACKNOWLEDGE
	message. The call A-B has an Active-Idle connection.		
	The call clearing procedure is performed from user A with a DISCONNECT message.		
	17	TU-T Recommendati	646-1 [96] clause 6.1.1.15 is not in line with the on Q.734.2 [100]. The PLMN does not support the is 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 stwork N2. Seer A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-led connection. Seer A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. Seer A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. Seer A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. Seen A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. Seen A is calling user C (with the CRy). The call component for CRx. User B and C is user B with a notification in the secretary of a DISCONNECT message from the user A relating to the Active-Held is user B with a DISCONNECT is used. Seen After the release of the three-way bridge the network is sending to the remote is excription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-Idle connection. Secription of "Conference disconnected". The call A-C has an Active-I	

IGIxxSN3PTY03	ISDN ref. to:	PLMN ref. to:	
	EN 300 188-1 [20], claus		
TSSreference:	ISDN-GSM/Supplementary_services/3PTY		
ISDN selection	3PTY		
criteria:			
PLMN selection			
criteria:			
Test purpose:		establish a three-way conversation call with user B and user C ote users, user B is released first.	
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	network N2. User A calls user B (with Active-Held connection. User A is calling user C When user A sends a FA Begin3PTY invoke compontaining a facility IE w shall receive a NOTIFY description of "Conferen On receipt of a DISCON connection (CRx) the nemessage. After the release of the t NOTIFY message conta "Conference disconnect On receipt of a DISCON connection (CRy) the nemessage.	er A is in network N1 and is provided with 3PTY. The user B and user C are in the k N2. calls user B (with CRx). After initiating of call hold, the call A-B has an Held connection. is calling user C (with the Cry). The call (A-C) has an Active-Idle connection. user A sends a FACILITY message for CRx containing a facility IE with a PTY invoke component the network shall respond with a FACILITY message sing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification of "Conference established". The three-way bridge is established. eipt of a DISCONNECT message from the user A relating to the Active-Held etion (CRx) the network shall clear the call to user B with a DISCONNECT ge. The release of the three-way bridge the network is sending to the remote user C and Y message containing a Notification indicator IE with a notification description of the rence disconnected". The provided with a DISCONNECT message from the user A relating to the Active-Idle etion (CRy) the network shall clear the call to user C with a DISCONNECT ge.	

IGIxxSN3PTY04	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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	NOTE:		16-1 [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.

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	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.

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/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 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:	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.	

IGIxxSN3PTY07	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:		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.

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:	and create a private communicatio performed from user A.	three-way conversation call with user B and user C n with user B. The call clearing procedure is
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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 contaid description of "Conference establis The served user shall send an End FACILITY message with that CRx. FACILITY message, the network si i) remove the three-way bridge Held connection; ii) release the three-way bridge iii) return to the served user an message using the CRx of the Acti iv) send a NOTIFY message to required containing a Notification in description of "Remote hold"; and, v) send a NOTIFY message to indicator information element with a disconnected". When the served user receives a county with the served user receives a county in the Acti ii) use the CR relating to the Acti ii) use the CR relating to the Acti ii) use the CR relating to the Acti iii) use th	from both the Active-Idle connection and the Active- ; End3PTY return result component, within a FACILITY ve-Held connection; the remote user with which private communication is indicator information element with a notification the other remote user containing a Notification a notification description of "Conference correctly encoded End3PTY return result component, iter shall accept the provided information and shall: tive-Idle connection, perform the Hold function citve-Held connection, perform the Retrieve function and Retrieve functions. On successful completion ACKNOWLEDGE message is sent) the network shall emote user that is not to be included in the private cation indicator information element with a notification uccessful completion of the Retrieve function message is sent) the network shall send a NOTIFY hom private communication is desired, containing a ement with a notification description of "Conference in element with a notification description of "Conference and this clause, the call state of the connections, it user, is unchanged. The auxiliary state of the cation changes from Call Held to Idle. The auxiliary ges from Idle to Call Held.
		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.

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 criteria:	3PTY	
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 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 and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. If the remote user, for which a private communication is required, is identified at the served user by the CRy relating to the Active-Idle connection, the served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRy. 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 CRy of the Active-Idle connection; iv) send a NOTIFY message to both remote users containing a Notification indicator information element with a notification description of "Conference disconnected"; and, v) send to the remote user for which private communication is not required, either in the same NOTIFY message as (iv), or in a subsequent NOTIFY message, a Notification indicator information element with a notification description of "Remote hold". If any intervening protocol between the network of the served user and the network of the remote user does not support transmission of two notification descriptions in the same message, then this should be mapped at that point to a message containing a single notification description of "Conference disconnected", and a subsequent message containing a notification description of "Remote hold". When the served	

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:		

IGG xxSN3PTY02	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:		three-way conversation call with user B and user C ection (A-B). The call clearing procedure is performed
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGGxxSN3PTY03	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 of both remote users, a	user B is released first.
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

IGGxxSN3PTY04	ISDN ref.		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_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 C is released first.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	NOTE:		6-1 [96] clause 6.1.1.15 is not in line with the Q.734.2 [100]. The PLMN does not support the o 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/S	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: Th	ne standard EN 300 64	6-1 [96], clause 6.1.1.15 is not in line with the
			Q.734.2 [100]. The PLMN does not support the
	se	ending of notifications t	o 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/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 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:	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.	

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_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 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: 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.	

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:		three-way conversation call with user B and user C n with user B. The call clearing procedure is
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_servic	es/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	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/Supplementary_service	ISDN-GSM/Supplementary_services/Call barring service	
ISDN selection			
criteria:			
PLMN selection	The Network B supports barring 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 t	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.	

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.

IGxxSNCCNR01	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	s subscribed to the CCNR supplementary service
criteria:		
PLMN selection	The user B is in the network N2 and	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/Supplementa	ry_services/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:		

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IGxxSNMPTY01	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1]	TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_servic	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 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 I	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 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. 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:		

IG xxSNMPTY04	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. 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	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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	

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PGAU01	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/Successfu	
PSTN selection	Call establishment to a PLMN use	r
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 o	ontain a GSM BC mapped from the BC/LLC/HLC
	stored in the VLR	

PGAU02	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clause 5.2.2
		ETS 300 604 [103], clause 9.2.2 b
TSSreference:	PSTN-GSM/Basic_call/Successful	
PSTN selection	Call establishment to a PLMN user	
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
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 t	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	EN 300 001 [102] EN 30	ref. to: 0 940 [59], clause 5.2.2 00 604 [103], clauses 9.2.2 a and 10.2.2	
TSSreference:	PSTN-GSM/Basic_call/Successful	00 004 [103], clauses 9.2.2 a and 10.2.2	
PSTN selection criteria:	Call establishment to a PLMN user		
PLMN selection criteria:	Multi-numbering Scheme, TS 11	Multi-numbering Scheme, TS 11	
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 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 mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.		

PGAU_04	PSTN 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 criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called PLMN 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:		
PLMN 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.	

PGAU05	PSTN ref. to: EN 300 001 [102]	PLMN ref. to: EN 300 940 [59], clauses 5.2.1, 5.5.1 and 7.3.2
TSSreference:	PSTN-GSM/Basic_call/Successful/	
PSTN selection		
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that a Facsimile G3 call is performed correctly when the called PLMN 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 values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
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/Successful/	Facsimile G3
PSTN selection		
criteria:		
PLMN selection	PSTN, Single-numbering Scheme	
criteria:		
Test purpose:	Ensure that a Facsimile G3 call is performed correctly (single-numbering scheme) when the calling 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:		

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PGHA01	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/Suc	ccessful/3,1 kHz audio	
PSTN selection	Bearer service 3,1 kHz aud	dio	
criteria:			
PLMN selection	Audio, Multi-numbering Sc	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	In the active call state (N10) ensure that the data transfer with the channel rate set to:	
	CHANNEL RATE on the tra	affic 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	s 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

PGAU_U01	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessf	ul
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 busy (UDUB), the calling user receives a busy	
	tone.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=speech	
values:		
Comments:	stored in the VLR. After receiving the SETUP messag	ntain a GSM BC mapped from the BC/LLC/HLC e, the MS replies immediately with a RELEASE
	COMPLETE (#17 "user busy").	

PGAU_U02	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		
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:		

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PGAU_U03	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	TS 100 974 [72], clauses 18.2 and 18.3.2
		EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Uns	successful
PSTN selection	Call establishment to a PL	MN user
criteria:		
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:		

PGAU_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 user	
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/Unsuccessf	iul
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 costored in the VLR.	entain a GSM BC mapped from the BC/LLC/HLC

PGAU_U06	PSTN ref. to:	PLMN ref. to :
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessf	iul
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 costored in the VLR.	entain a GSM BC mapped from the BC/LLC/HLC

DC ALLUO7	PSTN ref. to:	PLMN ref. to:
PGAU_U07		
	EN 300 001 [102]	EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/U	nsuccessful
PSTN selection	Call establishment to a P	LMN user
criteria:		
PLMN selection	PSTN, Single-numbering	Scheme
criteria:		
Test purpose:	Ensure that when the called PLMN 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:		bile will not contain a GSM BC element.
		P message, the MS replies immediately with a RELEASE
	COMPLETE (#17 "user b	ousy").

PGAU_U08	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Ur	nsuccessful
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	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 mob	oile will not contain a GSM BC element.

PGAU_U09	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessf	ul
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	t 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/Unsuccessf	ul
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 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 calle	d 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_service	es/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	PSTN ref. to:	PLMN ref. to:
	ETS 300 649 [110]	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:	PSTN-GSM/Supplementary_service	es/CLIR/
PSTN selection	CLIR	
criteria:		
PLMN selection	The called user is provided with CLIP	
criteria:		
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	Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
values:		
Comments:		

PGAUSSCUG01	ISDN ref. to: EN 300 138-1 [11], clause 9.2.3	PLMN ref. to: TS 100 546 [57] TS 100 569 [65]
TSSreference:	PSTN-GSM/Supplementary_service	es/CUG
PSTN selection criteria:	CUG	
PLMN selection criteria:	CUG with incoming access "not all	owed".
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	es/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_service	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 us	ser 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.	
		the voice/data transfer is performed correctly.
PSTN parameter		
values:		
PLMN parameter	CFB-UDUB active	
values:		
Comments:		

PGP_AUSSCFB02	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	TB)	
criteria:			
PLMN selection	CFB-NDUB. Notification to forward	ling subscriber=Yes	
criteria:			
Test purpose:	The PSTN user A and the PSTN u	ser 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 yes.		
	Ensure that when user A calls busy user B, 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	CFB-NDUB active		
values:			
Comments:			

PG_AUSSCFB03	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	es/CFB
PSTN selection	Call to a forwarding subscriber (CF	B)
criteria:		
PLMN selection	CFB-NDUB. Notification to forward	ing subscriber=No
criteria:		
Test purpose:	The PSTN user A and the PSTN us	ser C are in network N1.
	The PLMN user B is in network N2	and is provided with CFB-NDUB whereby the
	notification to forwarding subscribe	
	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.	
		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_servi	ices
PSTN selection	Call to a forwarding subscriber (C	FNRy)
criteria:		
PLMN selection	CFNRy. Notification to forwarding	subscriber=Yes
criteria:		
Test purpose:	The PSTN user A and the PSTN user A	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:		

PGP_AUSSCFNRy02	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_servi	
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 i	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 subscriber 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	PSTN ref. to:	PLMN ref. to:
	EN 300 001 [102]	EN 300 952 [63], clause 4
		TS 100 543 [55], clause 4
TSSreference:	PSTN-GSM/Supplementary_services	
PSTN selection	Call to a forwarding subscriber (C	FNRc)
criteria:		,
PLMN selection	CFNRc	
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 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_serv	vices/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	witch the call shall be rejected is not defined.

PGAUSNCBS02	PSTN ref. to:	PLMN ref. to:	
	EN 300 001 [102]	TS 100 548 [58]	
TSSreference:	PSTN-GSM/Supplementary_service	es/Call barring service	
PSTN 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.	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.		

PGGAUSNMPTY01	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. User B is terminating the entire multi party call.	
PSTN parameter		
values:		
PLMN parameter		
values:		
Comments:		

PGGAUSNMPTY02	PSTN ref. to: EN 300 001 [102]	PLMN ref. to: 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 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:		

PGGAUSNMPTY04	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 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: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/	L 1,
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
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/Successful/S	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	
values:		
PLMN parameter	GSM-BC=speech, no HLC	
values:		
Comments:		

GI SP 03	ISDN ref. to:	PLMN ref. to:
010103		
	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	GSM-BC=speech, HLC=telephony	
values:		
Comments:		

GISP04	ISDN ref. to: EN 300 403-1 [1], clause 4.5.17 EG 201 018 [83], clause 6.3.1	PLMN ref. to: EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2 TS 100 905 [44], clause 6
TSSreference:	PLMN- ISDN/Basic_call/Successfu	TS 100 913 [67], clause B.2.8
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
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 values:	GSM-BC=speech, HLC=telephony	
Comments:		

GISP05	ISDN ref. to:	PLMN ref. to:		
010100	EN 300 403-1 [1], clauses 3.1.10 and 5.2			
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech	1		
ISDN selection	Speech			
criteria:				
PLMN selection	TS 11			
criteria:				
Test purpose:	To verify that progress indicator information	n included in the ISDN-CONNECT message		
	can be transported correctly to the calling I			
	Ensure that in the call delivered state (N4)	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 "dest	ination 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 element			
	parameter of the Answer message (ANM).			
	transported transparently. It is the respons	ibility of the end points to ensure compatibility.		

GISP06	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/Speecl	า
ISDN selection	Speech	
criteria:		
PLMN selection	TS 11	
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: 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 mess	age (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

GIAU01	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 shall not be mapped to the octets 5a, 5b,	note 4 the octets 6, 6a, 6b, 6c in the GSM-BC 5c and 5d in the ISDN-BC.

GIAU02	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 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	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 claus	e 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the	
	GSM-BC shall not be mapped to the	ne octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GIAU03	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 criteria:	Audio	
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 ISDN BC 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 values:	a) BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE no LLC b) BC=3,1 kHz audio, no LLC (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE no LLC	
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.	

GI AU 04	ISDN ref. To: PLMN ref. to:	
GIAO04	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], clauses B.1.2 and B.2.2	
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN	
ISDN selection	Bearer service 3,1 kHz audio	
criteria:	Dealer Service 3,1 km2 audio	
PLMN selection	Audio	
criteria:	Audio	
	Ensure that the CCM BC 2.4 kHz audio ay DI MNI vaice hand data via madem	
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 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 ISDN SETUP with the BC 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 LLC =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 called user.	
ISDN parameter	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 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	
	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.	

Values for test purposes GIAU_03; GI_AU_04	
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

GIAU05	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 audi	o ex PLMN
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
criteria:		
Test purpose:	To verify that progress indicator information inc	cluded in the ISDN-CONNECT 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 ba	
values:	B:! CONNECT: progress indicator #2 "destinati	on 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	
	transported transparently. It is the responsibility	y of the end points to ensure compatibility.

GI AU 06	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	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	
values:	B:! ALERT: progress indicator #2 "destina	tion address is non-ISDN".
PLMN parameter	A:! SETUP: GSM-BC=3,1 kHz audio ex P	LMN, 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 messa	age (ACM). The access transport parameter
	will be transported transparently. It is the r	esponsibility 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/Successful/I	JDI
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	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
values:		·
Comments:	The user bitrate is out of scope of this test case.	

GIUD02	ISDN ref. to: 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 tes	t case.

GIUD03	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 and B 2.2
TSSreference:	GSM-ISDN/Basic_call/Successful/U	JDI
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the GSM-BC =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 ISDN SETUP with the BC parameter value information transfer capability UDI, V.110/X.30, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE LLC =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,	MODE
	synchronous/ asynchronous mode:	MODE
PLMN parameter	user rate: USER_RATE	
values:	GSM-BC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE	
values.	user rate: G_USER_RATE	INIODE
	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

OL EV 04	ICDN wet to:	DI MN not to.
GIFX01	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.	
		(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/l	Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria		
Test purpose:		call establishment and the call clearing procedure is
	performed correctly when the calle	
	Ensure that in the active call state performed correctly.	(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	GSM-BC=facsimile G3, HLC=Facs	imile 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 100 976 [74], clause 10.2 TS 100 913 [67], clause B.1.11
TSSreference:	GSM-ISDN/Basic_call/Successful/	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	correctly mapped to the ISDN BC inserted by the network are deliver	t the GSM BC-IE representing facsimile group 3 is value "3,1 kHz audio" and the HLC "facsimile G2/G3" red to the called user. (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	GSM-BC=facsimile G3, no HLC	
values:		
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=Facsimile G2/G3	
values:		
Comments:		

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:		

GIAF02	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5	PLMN ref. to: 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 criteria:	Telefax G3 terminals	
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 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 03	ISDN ref. to:	PLMN ref. to:
017(100	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
	and 5.1	
		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:		

GIAF04	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5	PLMN ref. to: 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, HL	C=Facsimile G2/G3
Comments:		

GIAF06	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
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 HL	C
values:	second GSM-BC=speech	
Comments:		

GIAF07	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

GIAD01	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	inswer.
		(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
Comments:		

GIAD02	ISDN ref. to:	PLMN ref. to:
0	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/	
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 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= 3,1 kHz audio ex PLMN, voice band data via modem,	
	synchronous/ asynchronous mode: MODE	
	user rate: G_USER_RATE	
	LLC= ,1 kHz audio, voice band da	
	synchronous/ asynchronous mode	: MODE
	user rate: USER_RATE	
Comments:		

GIAD03	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
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 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:	,	PLMN, voice band data via modem,
	synchronous/ asynchronous mode	: MODE
	user rate: G_USER_RATE	
Comments:		

GIAD04	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.3.1.2
TSSreference:	GSM-ISDN/Basic call/Successful/	TS 100 913 [67], clause B.1.6
ISDN selection criteria:	GSM-ISDN/Basic_call/Successful/Alternate speech and data Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
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) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC. 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, no HLC	
PLMN parameter values:	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 LLC= 3,1 kHz audio, voice band data via modem, Synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:	_	

Values for test purpose GIAD_01 to GIAD_0	4
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

	lianii 4 i	In
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 a	answer.
	Ensure that in the active call state performed correctly.	(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:		

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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	when the called user clears after a	the call clearing procedure is performed correctly nswer. (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 of	
	Synchronous/ asynchronous mode	: MODE
	User rate: USER_RATE	
Comments:		

GIFD03	ISDN ref. to: EN 300 403-1 [1], clauses 4.5.5 and 5.2	PLMN ref. to: EN 300 940 [59], clause 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/	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	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) 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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio ex synchronous/ asynchronous mode user rate: G_USER_RATE	c PLMN, voice band data via modem, : MODE
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/S	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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=3,1 kHz audio ex synchronous/ asynchronous mode:	RPLMN, voice band data via modem,
	user rate: G USER RATE	INOBE
	LLC=3,1 kHz audio, voice band da	ta via modem.
	Synchronous/ asynchronous mode	
	user rate: USER_RATE	
Comments:		

Values for test purpose GIFD01 to GIFD04	1
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	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	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:		

GIEC03	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/	Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:	-	
PLMN selection	TS 12	
criteria:		
Test purpose:	call clearing procedure is performe	a SIM card. Ensure that call establishment and the d correctly when the calling user clears after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=speech, no HLC	
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 IMSI	tor whether to accept emergency calls coming from or a TMSI.

GIEC04	ISDN ref. to:	PLMN ref. to:
	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/	Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	Emergency call from a MS without a SIM card. 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=speech, no HLC	
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		
Comments:		tor whether to accept emergency calls coming from
	MSs which do not transmit an IMS	l or a TMSI.

GIEC05	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1 [1], clauses 4.5.5	EN 300 940 [59], clauses 4.5.1.5 and 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	espeech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	by the VLR. Ensure that call estab correctly when the calling user clean	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 values:	BC=speech, no HLC	
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech, no HLC
values:		·
Comments:		ator whether to accept emergency calls coming from
	MSs when the IMSI contained in the	ne SIM Card is not recognised by the VLR.

GIEC06	ISDN ref. to:	PLMN ref. to:
	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/	Emergency Call
ISDN selection	Emergency service, bearer service	speech
criteria:		
PLMN selection	TS 12	
criteria:		
Test purpose:	by the VLR. Ensure that call estable correctly when the called user clear	ne IMSI contained in the SIM Card is not recognised ishment and the call clearing procedure is performed irs after answer. (N10) the data transfer on the traffic and B-channels is
ISDN parameter values:	BC=speech, no HLC	
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.

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/Successful/HSCSD - 3,1 kHz
ISDN selection	Bearer service 3,1 kHz audio
criteria:	
PLMN selection criteria:	HSCSD, 3,1 kHz
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 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. In the active call state 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
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
0	acceptable channel coding: TCH_FX_X
Comments:	

GI HA 02	ISDN ref. to: PLMN ref. to:		
0111/\02	EN 300 403-1 [1] EN 300 940 [59]		
	TS 100 976 [74]		
	· ·		
TSSreference:	TS 101 038 [88] GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz		
ISDN selection	Bearer service 3.1 kHz audio		
criteria:			
PLMN selection	HSCSD, 3,1 kHz		
criteria:			
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 AlU_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 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 and the and the LLC 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		
ISDN parameter	performed correctly. 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:			
<u> </u>			

Values for test purpose GIHA01 and GIHA	02
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_06	TCH_FX_X: 14,4
VA_00	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
*** <u>-</u> 00	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 HSCSD - data

GI HU 01	ISDN ref. to:	PLMN ref. to:
<u> </u>	EN 300 403-1 [1]	EN 300 940 [59]
	[1]	TS 100 976 [74]
		TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/F	
		13C3D - UDI
ISDN selection	UDI	
criteria:		
PLMN selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the GSM-BC 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 ISDN BC 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	
PLMN parameter	GSM-BC=UDI, V.110/X.30	
values:	Synchronous/asynchronous mode: MODE	
	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	X_X
Comments:		

GIHU_02	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/HSCSD - UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	HSCSD, UDI	
criteria:		
Test purpose:	Ensure that the GSM-BC 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 AlU_RATE, acceptable channel coding set to TCH_FX_X and the LLC 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 ISDN BC 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 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 ensure that the data transfer on the traffic and B-channels are	
ISDN parameter	performed correctly. 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	
	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=UDI, V.110/X.30,	
	synchronous/ asynchronous mode: MODE	
Comments:	user rate: USER_RATE	
Comments.		

Values for test purpose GIHU01 and GIHU	_02
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
VA_02	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
	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
NA 00	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
NA 44	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
L	· · · · · · · · · · · · · · · · · · ·

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	ssful/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	GSM-BC=speech	
values:		
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/Unsucce	ssful/Speech
ISDN selection	Bearer service speech;	
criteria:		
PLMN selection	TS 11	
criteria:		
Test purpose:		er is busy (UDUB) and responds with RELEASE alue #17 "user busy", the network transport the cause
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GISP_U03	ISDN ref. to:	PLMN ref. to:
	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:		r 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/Unsuccessfu	ıl/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: EN 300 403-1 [1], clauses 5.1.9, 5.3.2, and annex M	PLMN ref. to: EN 300 940 [59], clauses 5.2.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user rejects the c COMPLETE message indicating cause value the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GISP_U06	ISDN ref. to: EN 300 403-1 [1], clause 5.2,	PLMN ref. to: EN 300 940 [59], clause H.5.3
	annex M; EN 300 940 [59], clause B.3.2	E14 000 040 [00], diause 11.0.0
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 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 values:	BC=speech	-
PLMN parameter values:	GSM-BC=speech	
Comments:		

GISP_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/Unsuccessfu	ul/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	e 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/Unsuccessfu	ıl/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 announcements 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/Unsuccessfu	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 octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GIAU_U03	ISDN ref. to :	LMN ref. to:	
	EN 300 403-1 [1], clause 5.2.5.4.	N 300 940 [59], clause H.1.7	
	T	S 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	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	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	Audio	
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	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 octet	s 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 audio	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 us	ser.
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 to	
	shall not be mapped to the octets 5a, 5b, 5c and 5	od 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/Unsuccessfu	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/Unsuccessfu	ıl/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:		

GI UD 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/UDI	
ISDN selection	Bearer service UDI	
criteria:		
PLMN selection	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:	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	ul/UDI
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 values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
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 COMPLETE message indicating cause value to the calling user.	the call and responds with a RELEASE value #21 "call rejected", the network transport
ISDN parameter	BC=UDI with V.110/X.30 rate adaption	
values:		
PLMN parameter	GSM-BC=UDI with V.110/X.30 rate adap	otion
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 co COMPLETE message indicating cause va- network transport the cause value to the co	alue #88 "incompatible destination ", the
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adapt	ion
Comments:		

GIUD_U07	ISDN ref. to:	PLMN ref. to:
	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"	
		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 adap	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.

GIFX_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	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
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, HLC=Facsimile G2/G3	
values:		
PLMN parameter	GSM-BC=facsimile G3	
values:		
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/Unsuccessi	ul/Facsimile G3
ISDN selection	Telefax G3 terminals	
criteria:		
PLMN selection	TS 62	
criteria:		
Test purpose:	Ensure that when the called user i	s 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	e 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/Unsuccessfu	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: EN 300 403-1 [1], clauses 5.1.9, 5.3.2, annex M	PLMN ref. to: EN 300 940 [59], clauses 5.2.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile	e G3
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user rejects the c COMPLETE message indicating cause value the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GIFX_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/Facsimi	ile 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 call	ing 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/Unsuccessfu	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"	
	before answer from called user, the	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/Unsuccessf	ul/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 ar	nouncements 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/Unsuccessfu	ul/Alternate 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 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, 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	Bearer service 3,1 kHz audio
criteria:	
PLMN selection	TS 61
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=3,1 kHz audio, no HLC
values:	
PLMN parameter	first GSM-BC=speech
values:	second GSM-BC=Facsimile G3
Comments:	

GIAF_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/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:			

GIAF_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/Unsuccessfu	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 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/Alternation	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/Unsuccessfu	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:
GIEC_001		
	EN 300 403-1 [1], clause 5.2	EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessfu	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	<u>.</u>
values:		
PLMN parameter	EMERGENCY SETUP; GSM-BC=	speech
values:		
Comments:		

GIEC_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	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 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=speech		
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	
	and 4.5.11	EN 300 951 [62], clause 1
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection	The called user is provided with Cl	_IP
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:		

GIxxSSCLIP02	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:	PLMN ref. to:
	EN 300 093-1 [8]	EN 300 940 [59], clause 9.3.23.2
	EN 300 092-1/A2 [92], figure 2	TS 100 542 [91], clause 2
		EN 300 951 [62], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	es/Speech/CLIR
ISDN 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	
		is delivered to the called user without any digit
	information. The Calling party suba	address 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:	PLMN ref. to:
	EN 300 093-1 [8], clause 9.4.1	EN 300 940 [59], clause 9.3.23.2
	EN 300 092-1/A2 [92], figure 2	TS 100 542 [91], clause 2
		EN 300 951 [62], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection	The called user is provided with CL	IP
criteria:		
PLMN selection	CLIR	
criteria:		
Test purpose:	The calling user is provided with CI	
	Ensure that when no Calling party subaddress is provided by the calling user the Calling	
		s delivered to the called user without any digit
	information. The Calling party suba	ddress 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	
values:		
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	s/Speech/COLP
ISDN selection	COLP	
criteria:		
PLMN selection	The calling user is provided with CO)LP
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) use	r.
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 pl	an (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_services/Speech/COLP		
ISDN selection	COLP		
criteria:			
PLMN selection	The calling user is provided with 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			
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:	Connected number: SI=NP PI=PA TON=national/international number,		
	NPI=ISDN/Telephony numbering p	lan (ITU-T Recommendations E.164 [37]/E.163 [106])	
Comments:			

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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:			
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:			

GI xxSSCUG01	ISDN ref. to:	PLMN ref. to:	
GIXXSSCUGUT			
	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_services/CUG		
ISDN selection	Calling user and called user belong to the same 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 calling 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 a cUGCall		
	invoke component encoded as "Outgoing access with default value, CUG index" and		
	sends an ALERTING or CONNECT	Γ message.	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default		
values:	value, CUG index"		
PLMN parameter	GSM-BC=G_BC_ID, ForwardCUG	-Info: CUG Index (CI); Suppress Pref. CUG	
values:	(SPC);Suppress OA (SOA)	<u> </u>	
Comments:			

GIxxSSCUG02	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 sam	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 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), 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	BC=speech; Facility IE with cUGCa	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:		

GI_xxSSCUG03	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 san	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 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 without 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:	PLMN ref. to:	
	EN 300 138-1 [11] clauses 9.2.2 and 9.2.4	TS 100 546 [57]	
	ITU-T Recommendation Q.735.1 [111]	TS 100 569 [65]	
TSSreference:	GSM-ISDN/Supplementary_services/CUG		
ISDN selection	The called user belongs to CUG with the following CUG s	supplementary options: IA; ICB	
criteria:			
PLMN selection	The calling user belongs to the same CUG with the following CUG supplementary		
criteria:	options: OA; not ocb; not Pref. CUG		
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 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.		
ISDN parameter	BC=I_BC_ID		
values:			
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (C	I);	
values:	Suppress Pref. CUG (SPC);		
Comments:		·	

GIxxSSCUG05	ISDN ref. to: 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 the following CUG supplementary options: IA; not ICB	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; not ocb ; not Pref. CUG	
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 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 with a Facility IE.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke comp value, CUG index"	onent: "Outgoing access with default
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: Suppre	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]
TSSreference:	GSM-ISDN/Supplementary_service	es/CUG
ISDN selection	The called user is not a CUG subs	scriber
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 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 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 without a Facility IE.	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-	-Info: CUG Index (CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

GIxxSSCUG07	ISDN ref. to: EN 300 138-1 [11], clause 9.2.3 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 CUG with the following CUG supplementary options: not IA ; not ICB	
PLMN selection criteria:	The calling user is not member of CUG	
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called 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 values:	GSM-BC=G_BC_ID	
Comments:		

GIxxSSCUG08	ISDN ref. to: EN 300 138-1 [11], clause 9.2.2 PLMN ref. to: TS 100 546 [57] TS 100 569 [65]	
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user is not member of CUG	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: not OA; not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling 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 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 values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

GIxxSSCUG09	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	The called user belongs to the same CUG with th	e following CUG supplementary
criteria:	options: not IA; ICB	
PLMN selection	The calling user belongs to a CUG with the follow	ing CUG supplementary options: OA ;
criteria:	not ocb; not Pref. CUG	
Test purpose:	Ensure that when the calling user belongs to a C not outgoing calls barred within the CUG and not belongs to the same CUG with incoming access is within the CUG, after the receipt of a SETUP mes contain a ForwardCUG-Info with CUG Index (CI), call establishment is not possible and the network with cause value #55 "incoming calls barred within	preferential CUG and the called user s not allowed and incoming calls barred usage with the Facility IE which shall Suppress Pref. CUG (SPC), initiate call clearing to the calling user
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG I	ndex (CI);
values:	Suppress Pref. CUG (SPC);	
Comments:		

GIxxSSCUG10	ISDN ref. to: 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	Calling user and called user belong to the same CU	IG;	
criteria:	CUG supplementary options: not IA; not ICB		
PLMN selection	CUG supplementary options: not OA; not OCB; no	t Pref. CUG	
criteria:			
Test purpose:	Ensure that when the calling user belongs to a CUC not outgoing calls barred within the CUG within the the called user belongs to the same CUG with inconincoming calls barred within the CUG, after the recefacility IE which shall contain a ForwardCUG-Info with the called user receives a SETUP message with a Finvoke component encoded as "Outgoing access wisends an ALERTING or CONNECT message.	CUG and not preferential CUG and ming access not allowed and not ipt of a SETUP message with the vith CUG Index (CI), Facility IE which contains a cUGCall th default value, CUG index" and	
ISDN parameter	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default		
values:	value, CUG index"		
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Ind	ex (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:	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_service	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 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:			

GIGxxSSCFU01	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_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of 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 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 is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke=NotifySS[CFU,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	CFUactive	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
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_service	
ISDN selection		provided with CFU("calling user is notified of call
criteria:	diversion"=No, with diverted-to nur	mber, "diverting number is released to the diverted-to
	user"=No, "served user receives no	otification that the call has been forwarded"=No).
PLMN selection	Call to a forwarding subscriber (CF	TU)
criteria:		
Test purpose:	Ensure that in the call delivered sta performed correctly if tones/annous	C is notified of call diversion with a U,SS-Notification]) contained in a SETUP message. ate (N4) the transfer of tone on the B-channel is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIG_xxSSCFU03	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:		mber, "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:	To verify that a call is released corr	
	1	arded to user C who is user determined user busy.
	User A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message,	
	user C is notified of call diversion with a FACILITY IE	
	(Invoke=NotifySS[CFU,SS-Notification]) included in the incoming SETUP message from	
	the network.	
		vith a FACILITY message (DCR) about the
		ation, 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: 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 criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU("calling 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:		

GIGxxSSCFU05	ISDN 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 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:		

GII_xxSSCFU01	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	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	U)	
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.		
	User B is notified of call diversion.		
	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	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GII_xxSSCFU02	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"= 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"= No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	TU)	
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:			

GII_xxSSCFU03	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:		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:	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:		

GII_xxSSCFU04	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	L 1/	
ISDN selection criteria:	The user B is in network N2. Partia	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU("calling user is Notified of call diversion"= Yes)	
PLMN selection criteria:	Call to a forwarding subscriber (CFI	Call to a forwarding subscriber (CFU)	
Test purpose:	the private network (NT2) and performed correctly if tones/annound	work acts on the call rerouting invocation request from orms rerouting towards the indicated address te (N4) the transfer of tone on the B-channel is accement are applied. N10) the voice/data transfer on the B-channels is	
ISDN parameter	CFU- partial rerouting		
values:			
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GII_xxSSCFU05	ISDN 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 criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU ("calling user is Notified of call diversion"= No)	
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 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 values:	GSM-BC=G_BC_ID	
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:		mber, "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 B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message. 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 (performed correctly.	(N10) the voice/data transfer on the B-channels is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFU02	ISDN 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	The user B is in network N2 and is	provided with CFU("calling user is notified of call
criteria:	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"= No).	
PLMN selection criteria:	Call to a forwarding subscriber (CF	U)
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 values:	GSM-BC=G_BC_ID	
Comments:		

GIPxxSSCFU03	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:		imber, "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	TU)
criteria:		
Test purpose:	To verify that a call is released cor	rectly if CFU was not successful.
	User A calls user B, the call is forw	arded to user C who is busy.
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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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	
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	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 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: 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_servic	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"=N	lo)
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 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:		

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GIUxxSSCFU01	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"=Yes, with diverted-to nu	mber, "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 A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke=NotifySS[CFU,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	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIU_xxSSCFU02	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_service	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of 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"= No).	
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 values:	GSM-BC=G_BC_ID	
Comments:		

GIU_xxSSCFU03	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	mber, "diverting number is released to the diverted-to	
	user "=Yes, "served user receives	notification that the call has been forwarded"=Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)		
Test purpose:	To verify that a call is released cor	rectly if CFU was not successful.	
		arded to user C who is user determined user busy.	
	User A is notified with a FACILITY (Invoke=NotifySS[CFU, SS-Notification]) message, user C 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 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:			

GIU_xxSSCFU04	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. Parti	al rerouting provided in PTNX in case of CFU("calling
criteria:	user is Notified of call diversion"=Y	'es)
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 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:		

GIU_xxSSCFU05	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. Parti	al rerouting provided in PTNX in case of CFU("calling	
criteria:	user is Notified of call diversion"=N		
PLMN selection	Call to a forwarding subscriber (CF	-U)	
criteria:		·	
Test purpose:	User A calls user B. The public ne	User A calls user B. The public network acts on the call rerouting invocation request from	
	the private network (NT2) and per	forms 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	GSM-BC=G_BC_ID	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-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:		user B, the call is forwarded to user C.
		(Invoke=NotifySS[CFB, SS-Notification]) message,
		IE (Invoke=NotifySS[CFB,SS-Notification]) of call
	diversion.	
	User B is notified of call diversion with a FACILITY message (DCR) about the	
		ation, user-to-user information, served user B's
	subaddress and the calling party A's address.	
		te (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	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

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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- 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"= No).	
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:		

GIG_xxSSCFB03	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	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:		user B, the call is forwarded to user C.
		(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.	
		te (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annous	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 active	
values:		
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

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GIGxxSSCFB04	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"=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"= No).	
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_service	es/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 (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	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:		(Invoke=NotifySS[CFB, SS-Notification]) message,
	user C is notified of call diversion w	rith a FACILITY IE (Invoke=NotifySS[CFB,SS-
		ng SETUP message from the network.
	User B is notified of call diversion v	vith 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.

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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	es/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"= Yes , with diverted-to number).	
	Ensure that in the call delivered sta	ate (N4) the transfer of tone on the B-channel is
	performed correctly if tones/annount	ncement are applied.
	Ensure that in the active call state	(N10) the voice/data transfer on the B-channels is
	performed correctly.	
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 perf	orms 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:		

GIGxxSSCFB07	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	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"= No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
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. 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:		

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_service	es/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network 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 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.	
		(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:		

GIG_xxSSCFB09	ISDN ref. to: PLMN ref. to: 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:		

GII xxSSCFB01	ISDN ref. to:	PLMN ref. to:
GII_XXSSCFB01		
	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		provided with CFB- UDUB ("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	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 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	
10011	performed correctly.	
ISDN parameter	CFB-UDUB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GII_xxSSCFB02	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	
ISDN selection	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of	
criteria:		number, "diverting number is released to the
	diverted-to User"=No, "served user	receives notification that the call has been
	forwarded"= No).	
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 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	CFB active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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GII_xxSSCFB03	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"=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 active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GII_xxSSCFB04	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_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"= 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"= No).	
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 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	
Comments:		

GII 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	
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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	GSM-BC=G_BC_ID	
values:		
Comments:	User A is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message,	
	user C 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 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.	

GII_xxSSCFB06	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	es/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"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
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 values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII_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_service	
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"= No).
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		
Test purpose:	User A calls user B. The public ne	twork acts on the call rerouting invocation request from
	the private network (NT2) and per	forms 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.	
		(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:		

GII xxSSCFB08	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	es/CFB
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
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	GSM-BC=G_BC_ID	
values:		
Comments:		

GII_xxSSCFB09	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	
ISDN selection	The user B is in network N2. Parti	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion"= No) .
PLMN selection	Call to a forwarding subscriber (C	FB)
criteria:		·
Test purpose:		twork acts on the call rerouting invocation request from
	the private network (NT2) and per	forms 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.	
	l'	(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_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 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:		

CID WESCEDOS	ISDN ref. to: PLMN ref. to:	
GIPxxSSCFB02	1 =	
	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"= 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"=No).	
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,	
	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"= 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 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 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	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"=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"= No).	
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 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 active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIPxxSSCFB05		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	s/CFB
ISDN selection	The user B is in network N2 and is	provided with CFB ("calling user is notified of call
criteria:		mber, "diverting number is released to the diverted-to otification that the call has been forwarded"
	=Yes).	offication that the call has been forwarded
PLMN selection criteria:	Call to a forwarding subscriber (CFE	3)
Test purpose:	To verify that a call is released correlluser A calls busy termination B (that C who is busy.	ectly if CFB was not successful. at one B-channel is free), the call is forwarded to user
ISDN parameter values:	CFB active, User B is in the UDUB	condition
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A is notified with a FACILITY (user C is notified of call diversion with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, ith a FACILITY IE
	(Invoke=NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from the network.	
	User B is notified of call diversion w	rith 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
TSSreference:	CCM ICDN/Cupplementery consist	ETS 300 543 [55], clause 2
	GSM-ISDN/Supplementary_service	
ISDN selection		al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	rsion"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	B)
criteria:		
Test purpose:	the private network (NT2) and perfic. C). User A is notified with a FACILITY call diversion. Ensure that in the call delivered state performed correctly if tones/announdersure that in the active call state performed correctly.	work acts on the call rerouting invocation request from orms rerouting towards the indicated address (user (Invoke=NotifySS[CFB, SS-Notification]) message of ate (N4) the transfer of tone on the B-channel is incement 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:		

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_service	
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"= No).
PLMN selection	Call to a forwarding subscriber (CF	FB)
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. 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	GSM-BC=G BC ID	
values:	GOIN-DC=G_DC_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_servic	es/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
criteria:		
Test purpose:	User A calls user B. The public network 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 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.	
		(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:		

GIPxxSSCFB09	ISDN 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:	

GIU xxSSCFB01	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-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 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.	
		ate (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	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIU xxSSCFB02	ISDN ref. to: PLMN ref. to:	
G10XXGGG1 B02	EN 300 207-1 [17], clauses 9.2.2, ETS 300 566 [112], 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"=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"= No).	
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 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	
ISDN parameter	performed correctly. CFB active	
values:	OI D active	
PLMN parameter	A: ! GSM-BC=G BC ID	
values:	C: ?GSM-BC=G_BC_ID	
Comments:		

GIU_xxSSCFB03	ISDN ref. to:	PLMN ref. to:
	EN 300 207-1 [17], clauses 9.2.2,	ETS 300 566 [112], clause 2
		ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_service	s/CFB
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 forwarded"=Yes).	er receives notification that the call has been
PLMN selection	Call to a forwarding subscriber (CFI	2)
criteria:	Can to a forwarding subscriber (Cr.	3)
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 values:	CFB active	
PLMN parameter	A: ! GSM-BC=G_BC_ID	
values:	C: ? GSM-BC=G_BC_ID	
Comments:		

GIUxxSSCFB04 TSSreference:	ISDN ref. to: PLMN ref. to: ETS 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5 ETS 300 543 [55], clause 2 ETS 300 543 [55], clause 3 ETS 300 [55], clause 3 ETS 300 [55], cl	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of 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"=No).	
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 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	The user B is in network N2 and is	provided with CFB ("calling user is notified of call
criteria:	diversion"=Yes, with diverted-to nu	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 (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 C is notified of call diversion with a FACILITY IE	
	(Invoke=NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from	
	the network.	
		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.	

GIU_xxSSCFB06	ISDN 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"= 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:		

GIU xxSSCFB07	ISDN ref. to:	PLMN ref. to:
010XX0001	EN 300 207-1, clause 10.5	ETS 300 566, clause 2
	LIV 300 207 1, Glad3C 10.5	ETS 300 543, clause 2
TCCmafamamaa	COM ICDN/Commission	,
TSSreference:	GSM-ISDN/Supplementary_service	
ISDN selection		al rerouting provided in PTNX in case of CFB-NDUB
criteria:	("calling user is Notified of call dive	ersion"= No).
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.	
		(N10) the voice/data transfer on the B-channels is
	performed correctly.	(1110) 1110 10100, action than 510 1110 2 01101111010 10
ISDN parameter	CFB - partial rerouting	
values:	or b - partial relocating	
	COM DC C DC ID	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIU_xxSSCFB08	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_servic	es/CFB
ISDN selection	The user B is in network N2. Partia	al rerouting provided in PTNX in case of CFB-UDUB
criteria:	("calling user is Notified of call dive	ersion"= Yes , with diverted-to number).
PLMN selection	Call to a forwarding subscriber (CF	FB)
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 values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU_xxSSCFB09	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	
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"= No) .
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).	
	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:		

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:		es, with diverted-to number, "diverting number is
	released to the diverted-to user "=)	′es).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:		
Test purpose:		B, if unanswered, the call is forwarded to user C.
		ite (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	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		(Invoke=NotifySS[CFNR, SS-Notification]) message,
	user C is Notified of call diversion v	
	(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.

GIG xxSSCFNR02	ISDN ref. to:	PLMN ref. to:
GIGXXSSCI NINO2	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	
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is Notified of call diversion"=N	o, with diverted-to number, "diverting number is
	released to the diverted-to User"=I	
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:	User A and user B are not Notified and 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.	

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:		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:		B, if unanswered, the call is forwarded to user C.
		ite (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	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User A is Notified with a FACILITY	(Invoke=NotifySS[CFNR, SS-Notification]) message,
	user C is Notified of call diversion v	vith a FACILITY IE
	(Invoke=NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message	
	from the network.	
	User B is Notified of call diversion v	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.

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:	("calling user is Notified of call dive is released to the diverted-to User"	rsion"=No, with diverted-to number, "diverting number =No).
PLMN selection criteria:	Call to a forwarding subscriber (CF	NR)
		5 '
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:		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 divenumber is released to the diverted-	ersion"= Yes , with diverted-to number, "diverting eto User"= Yes).
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 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.	

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_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"=Yes, 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 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:	CFNR - partial rerouting		
	0014 B0 0 B0 1B		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIGxxSSCFNR07	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 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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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_service	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"= Yes , 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. 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:			

GIG_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_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 values:	CFNR - partial rerouting	
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:		

GII_xxSSCFNR02	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 criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion"= No , with diverted-to number, "diverting number is	
Citteria.	released to the diverted-to User"=N	, ,
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:		

GII xxSSCFNR03	ISDN ref. to:	PLMN ref. to:
GIIXXSSCI NINOS		
	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"= Yes , with diverted-to number, "diverting
	number is released to the diverted	
PLMN selection	Call to a forwarding subscriber (CF	,
criteria:	3 (-	,
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 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 values:	GSM-BC=G_BC_ID	
Comments:		

GII_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:	("calling user is Notified of call diversion"= 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. 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	
10011	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_service	es/CFNR
ISDN selection		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, 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:		

GII_xxSSCFNR06	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"=Yes, with diverted-to	
	number).		
PLMN selection	Call to a forwarding subscriber (CF	NR)	
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 perfo	orms 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:			

GIIxxSSCFNR07	ISDN ref. to: EN 300 403-1, clauses 9.2.2 and 10.5	PLMN ref. to: ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	,
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion"= No).	
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 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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII_xxSSCFNR08	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 user is Notified of call diversion"= Yes , 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. 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:		

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	al 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	GSM-BC=G_BC_ID	
values:		
Comments:		

GIP xxSSCFNR01	ISDN ref. to:	PLMN ref. to:
Ciixx60001141(01		ETS 300 566, clause 3
	9.2.4.4 and 9.2.5	,
	0.000	ETS 300 543, clause 3
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 "=Yes).	
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	Cam to a formaraling cases lists (e.	,
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 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 criteria:		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"= 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.	
	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:		

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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	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-	
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 is Notified with a FACILITY (Invoke=NotifySS[CFNR, SS-Notification]) message. 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	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		provided with CFNR (option B, immediate release)
criteria:		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.	
	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:		

GIP_xxSSCFNR05	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"= 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, 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	
1001	is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	User B is Notified of call diversion v	(Invoke=NotifySS[CFNR, SS-Notification]) message. with a FACILITY message (DCR) about the ation, user-to-user information, served user B's 's address.

GIP_xxSSCFNR06	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1, clauses 9.2.2 and	
	10.5	ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_service	es/CFNR
ISDN selection	The user B is in network N2. Partia	Il rerouting provided in PTNX in case of CFNR
criteria:	(option A, late release) ("calling user is Notified of call diversion"= Yes , 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:		

GIP_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		al 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:		
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 values:	CFNR - partial rerouting	
PLMN parameter	GSM-BC=G BC ID	
values:	GOIVI-DC=G_DC_ID	
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 user is Notified of call diversion"= Yes , 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. 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_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). ("cal	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 net	work acts on the call rerouting invocation request from	
	the private network (NT2) and perfo	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.	1410) the velocitate transfer on the B sharmore is	
ISDN parameter	CFNR - partial rerouting		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIU_xxSSCFNR01	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	es, with diverted-to number, "diverting number is
	released to the diverted-to user "=)	es).
PLMN selection	Call to a forwarding subscriber (CF	NR)
criteria:	-	
Test purpose:		B, if unanswered, the call is forwarded to 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	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		(Invoke=NotifySS[CFNR, SS-Notification]) message,
	user C is Notified of call diversion v	vith 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	
		ation, user-to-user information, served user B's
	subaddress and the calling party A	s address.

GIU xxSSCFNR02	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	,
ISDN selection		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"= No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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:	User A and user B are not Notified and 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.	

GIU_xxSSCFNR03	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"= Yes , with diverted-to number, "diverting to user " =Yes).
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 C is Notified of call diversion w Notification]) included in the incomi User B is Notified of call diversion w	(Invoke=NotifySS[CFNR, SS-Notification]) message, with a FACILITY IE (Invoke=NotifySS[CFNR,SS-ing SETUP message from the network. with a FACILITY message (DCR) about the ation, user-to-user information, served user B's 's address.

ISDN ref. to:	PLMN ref. to:
	ETS 300 566, clause 3
	ETS 300 543, clause 3
	,
	provided with CFNR (option B, immediate release)
("calling user is Notified of call dive	rsion"= No , with diverted-to number, "diverting number
is released to the diverted-to User"	=No).
Call to a forwarding subscriber (CF	NR)
· ·	,
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.	
CFNR active	
GSM-BC=G_BC_ID	
User A and user B are not Notified	and user C is Notified of call diversion with a
FACILITY IE (Invoke=NotifySS[CF	NR,SS-Notification]) included in the incoming SETUP
message from the network.	
	("calling user is Notified of call dive is released to the diverted-to User" Call to a forwarding subscriber (CF Ensure that when user A calls user Ensure that in the call delivered staperformed correctly if tones/annour Ensure that in the active call state operformed correctly. CFNR active GSM-BC=G_BC_ID User A and user B are not Notified FACILITY IE (Invoke=NotifySS[CFI

GIU_xxSSCFNR05	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"= Yes , with diverted-to number, "diverting to User"= Yes).
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 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.	

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"= Yes , 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 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_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"= 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 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:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU_xxSSCFNR08	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 user is Notified of call diversion"= Yes , 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. 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:		

GIU_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		al 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	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSHOLD01	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_s	ervices/HOLD
ISDN selection	The calling user is provided w	ith HOLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the calling user call hold and the call can be re	an initiate Call Hold, the called remote user is notified of etrieved
ISDN parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GI xxSSHOLD02	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 HO	DLD
criteria:		
PLMN selection	HOLD	
criteria:		
Test purpose:	Ensure that the called user can init call hold and the call can be retrieved	iate Call Hold, the calling remote user is notified of red.
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	es/CW
ISDN selection	The called user is provided with CV	V
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the called ISDN user is	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:
	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_servi	ces/CW
ISDN selection	The called user is provided with 0	CW
criteria:		
PLMN selection	CW	
criteria:		
Test purpose:	Ensure that the Waiting call is rele	eased 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:			

GI xxSSUUS1i02	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 provided 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	BC=BC=I_BC_ID UI length=32	
values:		
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	d with UUS1 implicit request.
criteria		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
		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:	PLMN ref. to:
	EN 300 286-1, clause 9.1.2.2.1a	EN 300 940, clause 10.5.4.25
	EN 300 403-1	
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 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=BC=I_BC_ID, UI length=32	
values:		
PLMN parameter	GSM-BC=G_BC_ID, UI length=32	
values		
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	GSM-BC=G_BC_ID, UI length=32	
values		
Comments:		

GI xxSSUUS1i06	ISDN ref. to:	PLMN ref. to:
CIXXCCCCC1100	EN 300 286-1, clause 9.1.1.2.2	EN 300 940, clause 10.5.4.25
	·	LN 500 540, 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	y 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: EN 300 286-1, clause 9.1.1.2.1 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 criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS not required" (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 values:	GSM-BC=G_BC_ID	
Comments:		

GIxxSSUUS1e02	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_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 "UUS not required", 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:		

GIxxSSUUS1e03	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, 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 "UUS not required", 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:	Ensure that after explicit request of UUS1 indicating "UUS not required", the destination network rejects explicit the UUS1 request without disrupting normal call handling. The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	called user cannot support service "service 1 not provided" indication i	btained the knowledge that the network itself or the 1 and it was explicitly requested as non-essential, a s 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	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that with the explicit request of UUS1 indicating "UUS required" (essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

	liani.	
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 "UUS required", 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:		

GI xxSSUUS1e07	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 "UUS required", the called network receives an ALERTING message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the Called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
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_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection	UUS1e	
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", 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:		

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 "UUS required",	
	If the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message sent to the calling user. Furthermore, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" to the called user.		
ISDN Parameter	BC=I_BC_ID	BC=I_BC_ID	
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIxxSSUUS1e10	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	
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS1e
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", and the called network already has obtained knowledge that the network itself cannot support 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:		

GIxxSSUUS201	ISDN ref. to:	PLMN ref. to:
	EN 300 286-1, clause 9.2.2.1	EN 300 646-1
		TS 124 087
TSSreference:	GSM-ISDN/Supplementary_service	es/UUS2
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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 "UUS not required", 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 criteria:	UUS 2e, point-to-point configuration
PLMN selection criteria:	
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", 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 values:	GSM-BC=G_BC_ID
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 configuration	n
criteria:		
PLMN selection	UUS is implicit rejected	
criteria:		
Test purpose:		d with UUS2 explicit request as "UUS not required" 2 implicit network rejection can be correctly handled.
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GGxxSSUUS205	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 " UUS required ", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.
ISDN Parameter values:	GSM-BC=G_BC_ID
PLMN parameter values:	GSM-BC=G_BC_ID
Comments:	

GGxxSSUUS206	PLMN ref. to:
	TS 124 087 TS 123 087
	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
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 "UUS 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	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:		3 during call establishment indicating " UUS not ort USER INFORMATION messages in both directions
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
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	es/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	
	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:		

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 "required", the RMATION messages in both directions during the
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS304	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_service	es/UUS3
ISDN selection	UUS1e	
criteria:		
PLMN selection		
criteria:		
Test purpose:		3 during the Active call state indicating " UUS not ort USER INFORMATION messages in both directions
	during the Active state of the call.	ŭ
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSSUUS305	ISDN ref. to:	PLMN ref. to:
	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:	"UUS not required", if the called u	equest UUS3 during the Active call state indicating ser rejects the service 3 request, the network can including a UUS3 rejection with the Error value and 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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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 A-B is in the Active call sate and the call A-C is in the Active call state - Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIGxxSSECT03	ISDN ref. to: PLMN ref. to:	
	EN 300 369-1, clause 9 EN 300 940	
TSSreference:	GSM-ISDN/Supplementary_services/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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
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_services/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 A-B is in the Active call state and the call A-C is in the Call Delivered State - Call Held auxiliary state , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

CI 1000000004	ICDN ref to:		
GIxxSSCCBS01	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 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 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		

MS A NETWORK SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
Clause #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)
NETWORK RR CONNECTION ESTABLISHED <>
CM SERVICE PROMPT
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.

GI xxSSCCBS02	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	OLE is supporting the CCBS sup	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 values:	BC=I_BC_ID			
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	up container.		
	G_BC_ID_CONT			
	G_LLC_ID_CONT			
	G_HLC_ID_CONT			
		vel Compatibility (HLC) and Low Level Compatibility		
		ESTABLISHMENT CONFIRMED message		
	G_BC_ID_CC_E_C			
	G_LLC_ID_CC_E_C			
0	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 becomes free the network shall offer subscriber A the option of			
	recalling destination B.			
	9	to allocate a Transaction Identifier (TI) and establish		
		CM SERVICE PROMPT message. MS A establishes		
		START CC message to the network.		
		C ESTABLISHMENT message to MS A which shall		
	include the Setup container.	-		
	The MS is modifying the Beare	r Capability (BC), High Level Compatibility (HLC) and		
	Low Level Compatibility (LLC) in	formation within the Setup container.		
	The MS A sends a CC ESTABLI	SHMENT CONFIRMED message to the network.		
		he CC ESTABLISHMENT CONFIRMED message it		
	•	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.			
	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.			

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

GIxxSSCCBS03	ISDN ref. to:	PLMN ref. to:	
	EN 300 359-1, clauses 9.4.3.1	EN 300 646-1, clause 6.1.1.14	
	and 9.4.4.1	TS 124 093 clause 4.2	
TSSreference:	GSM-ISDN/Supplementary_services/CCBS		
ISDN selection	DLE is supporting the CCBS supplementary 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 message was	
	received and the CCBS Call Set-up		
		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	
	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 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.		
		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	
	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		
	Inetwork moves to call state N01.		
		call with a ALERTING message the MS A receives	
	an ALERTING message. Normal call handling continues.		

TSSreference: GS ISDN selection DL		
ISDN selection DL	SM-ISDN/Supplementary_service	s/CCBS
ISDN selection DL		
	E is supporting the CCBS supple	
		mentary service
criteria:		
PLMN selection OL	E is supporting the CCBS supple	ementary service. MS A is idle.
criteria:		
		ceeding call state (the CCBS Recall was is received
	d the CCBS Call Set-up was sent	
	nen user B has responded to the o	
		essage. Normal call handling continues.
I	C=I_BC_ID	
values:		
	SM-BC=G_BC_ID	
values:		
me act ele Acc the ele opt What inc The and The and The SE	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 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.	

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_services/CCBS		
ISDN selection	DLE is supporting the CCBS suppl	DLE is supporting the CCBS supplementary service	
criteria:			
PLMN selection	OLE is supporting the CCBS supplementary 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:			

GIxxSSCCBS06	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_services/CCBS		
ISDN selection	DLE is supporting the CCBS supplementary service		
criteria:			
PLMN selection	OLE is supporting the CCBS supplementary 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:			

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_service	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 network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state)	
ISDN parameter	the user can deactivate a specific CCBS request	
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	ISDN ref. to: 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_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:			

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_service	es/CCBS	
ISDN selection	DLE is supporting the CCBS supple	ementary service	
criteria:	015: (: () 0000	, NO A : : II	
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.		

GI xxSSCCBS10	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_service	es/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 COMPLETE message.	
ISDN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
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.	
	RELEASE message and the netwo	CCBS activation, the MS shall send normal ork shall stop T1 and continue normal call clearing. If LEASE message is received from the MS, the clearing.

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_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 user receives notification that the call has been forwarded"= Yes).		
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	·	
		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	CFUactive		
values:			
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	er receives notification that the call has been	
	forwarded"= Yes).		
PLMN selection	User A is provided with CLIR and 0	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 not	
	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[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/annour		
		(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_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-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 CLIP and C	COLP.	
criteria:	User C is provided with CLIP.		
Test purpose:		user B, the call is forwarded to user C.	
	User A is notified with a FACILITY	(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 diverted-to user.		
	User B is notified of call diversion v	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 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 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	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 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 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 w	vith a FACILITY (Invoke=NotifySS[CFB, SS-	
	Notification]) message and the pres	sentation of the diverted-to number is not allowed	
	accordance with the COLR suppler	mentary service of the diverted-to user.	
	User 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. 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_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"= Yes , with diverted-to number, "diverting number is released to the		
	diverted-to user"=Yes, "served user	r receives notification that the call has been	
	forwarded"= Yes).		
PLMN selection	User A is provided with CLIP and C	OLP.	
criteria:	User C is provided with CLIP.		
Test purpose:		user B, the call is forwarded to user C.	
		(Invoke=NotifySS[CFB, 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 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 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:			

GIGxxSICFB_CLIP_	ISDN ref. to:	PLMN ref. to:	
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_services		
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"=Yes).		
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 busy	user B, the call is forwarded to user C.	
	User A is notified of call diversion v		
	(Invoke=NotifySS[CFB, SS-Notification)	ation]) 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 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 i	s 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-NDUB active		
values:			
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_services		
ISDN selection		provided with CFNR (option A, late release) ("calling	
criteria:	user is notified of call diversion"=Ye	es, with diverted-to number, "diverting number is	
	released to the diverted-to user"=Yes).		
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.		
		vith a FACILITY (Invoke=NotifySS[CFNR,SS-	
		sentation of the diverted-to number is allowed	
		mentary service of the diverted-to user.	
	User B is notified of call diversion.		
	User C 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:			

GIGxxSICFNR_CLI	ISDN ref. to:	PLMN ref. to:	
P_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 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	(es)	
PLMN selection	User A is provided with CLIR and COLP.		
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:		B, if unanswered, the call is forwarded to user C.	
	User A is notified of call diversion v		
		cation]) message and the presentation of the diverted-	
		ce 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[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:			

GIG xxSICFNR CLI	ISDN ref. to:	PLMN ref. to:
P COLP04	EN 300 207-1, clauses 9.2.2 and	
1 _0021 04	9.2.5	ETS 300 543, clause 1
TSSreference:	*	
	GSM-ISDN/Supplementary_service	
ISDN selection		provided with CFNR (option B, immediate release)
criteria:		rsion"= Yes , with diverted-to number, "diverting
	number is released to the diverted-	,
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
	(Invoke=NotifySS[CFNR,SS-Notific	cation]) message and the presentation of the diverted-
		rith 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[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 i	s correctly delivered to the called user C.
		ite (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	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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_servic	es	
ISDN selection		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	User A is provided with CLIR and 0	COLP.	
criteria:	User C is provided with COLR and	CLIP.	
Test purpose:	Ensure that when user A calls user User A is notified of call diversion v	r B, if unanswered, the call is forwarded to user C. with a FACILITY	
	to number is not allowed accordar	cation]) message and the presentation of the diverted- ice 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[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 staperformed correctly if tones/annou	ate (N4) the transfer of tone on the B-channel is neement are applied.	
		(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	The user B is in network N2 and is	provided with CFU("calling user is notified of call
criteria:		mber, "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:	Ensure that when user A calls user	
		and the presentation of the diverted-to number is
		supplementary service of the diverted-to user.
	User B is notified of call diversion.	
	User C receives the Redirecting number 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.	
		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.	(1416) the voice/data transfer on the B charmers is
ISDN parameter	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSICFU_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_service	es/CFU
ISDN selection		provided with CFU("calling user is notified of call
criteria:		ımber, "diverting number is released to the
	diverted-to user"=Yes, "served use	er receives notification that the call has been
	forwarded"=Yes).	
	User C is provided with COLR and	CLIP.
PLMN selection	User A is provided with CLIR and 0	COLP.
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 a	and the presentation of the diverted-to number is not
	allowed accordance with the COLF	R 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.	
		ate (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	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		provided with CFU("calling user is notified of call
criteria:	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"= No) and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
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 values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSICFB_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_service	es/CFB
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"= 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 busy user B, the call is forwarded to user C. User A is notified with a FACILITY (Invoke=NotifySS[CFB, 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 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 <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	
ISDN parameter values:	performed correctly. CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIIxxSICFB_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_service	es/CFU
ISDN selection	The user B is in network N2 and is	provided with CFB- UDUB ("calling user is notified of
criteria:		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 COLR and	
PLMN selection	User A is provided with CLIR and C	COLP.
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 v	
		ation]) message and the presentation of the diverted-
		ce with the COLR supplementary service of the
	diverted-to user.	
	User B is notified of call diversion.	
	User C can receive the Redirecting number 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.	
		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:	0. 2 0202 40110	
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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- UDUB ("calling user is notified of
criteria:		number, "diverting number is released to the
	diverted-to user"=No, "served user	receives notification that the call has been
	forwarded"= No) and CLIR.	
	User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in no	etwork N1. User A is provided with CLIP and COLP.
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	
	(Invoke=NotifySS[CFB, SS-Notification)	ation]) 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/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:		

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	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	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
		d-to number is allowed accordance with the COLR
	supplementary service of the divert	
	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 Redirecting number 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.
		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	
ICDM noromotor	performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter	GSM-BC=G BC ID	
values:	GSIVI-DC=G_DC_ID	
Comments:		

GIIxxSICFB_CLIP_	ISDN ref. to: PLMN ref. to:	
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_services/CFU	
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 user receives notification that the call has been	
	forwarded"=Yes).	
	User C is provided with COLR and CLIP.	
PLMN selection	User A is provided with CLIR and COLP.	
criteria:		
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 with 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 is notified of call diversion.	
	User C can receive the Redirecting number 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:		

GIIxxSICFB_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:		number, "diverting number is released to the
	diverted-to user"=No, "served user	receives notification 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 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 <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	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	ETS 300 566, clause 1
	9.2.5	ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_service	es/CFU
ISDN selection		provided with CFNR (option A, late release) ("calling
criteria:	user is notified of call diversion"=Ye	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 A is notified of call diversion with a FACILITY	
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	
	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"=Ye	es, with diverted-to number, "diverting number is	
	released to the diverted-to user"=Y	(es)	
	User C is provided with COLR and	CLIP.	
PLMN selection	User A is provided with CLIR and 0	COLP.	
criteria:			
Test purpose:		B, if unanswered, the call is forwarded to user C.	
	User A is notified of call diversion v		
		cation]) message and the presentation of the diverted- ce 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 performed correctly.		
ISDN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GII xxSICFNR 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 CFNR (option A, late release) ("calling
criteria:	user is notified of call diversion"=N	o , with diverted-to number, "diverting number is
	released to the diverted-to user"=N	lo 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 <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:		

GIIxxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:
_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	es/CFU
ISDN selection		provided with CFNR (option B, immediate release)
criteria:		rsion"= Yes , 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 A 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 is notified of call diversion. User C 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	CFUactive	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIIxxSICFNR_CLIP	ISDN ref. to:	PLMN ref. to:	
_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/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	sion"= Yes , with diverted-to number, "diverting	
	number is released to the diverted-	to user"= Yes)	
	User C is provided with COLR and	CLIP.	
PLMN selection	User A is provided with CLIR and C	COLP.	
criteria:			
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 w	vith a FACILITY	
		ation]) message and the presentation of the	
	diverted-to number is not allowed a	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.		
		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	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIIxxSICFNR_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_services/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 diversion"=No, 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 network 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 <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 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 ac	cess.

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:		

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GIxxSNMCID02	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	h a MPTY call to user B and user C.
	User A is terminating the entire mu	lti party call.
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:	The ISDN user B is in network N2.	The PLMN user A and PLMN user C are in network
	N1. User A calls user B. After call e	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
	multi party call. User A is terminatir	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 establis	h a MPTY call to user B and user C
	and release the remote party C. Th	e 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:	The ISDN user B is in network N2.	The PLMN user A and PLMN user C are in network
		stablishment user A initiates call hold. Then user A
	calls user C. After call establishment 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
	multi party call. The call clearing pre	ocedure to user B is performed from user A.

GI xxSNMPTY03	ISDN ref. to:	PLMN ref. to:
01XX0111111 1 1 0 0		TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_service	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. 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 estable sending a FACILITY message to the	lishment user A initiates call hold. Then lishment user A invokes the MPTY service by e network containing the BuildMTPY request which bile 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	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 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:
	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 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.	

GIxxSNMPTY06	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 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	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 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_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 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 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 C is clearing the MPTY held call. User B is clearing the A-B Active call.	

GIxxSNMPTY08	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 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	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 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.	

GIxxSNMPTY09	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). 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.	
		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). 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:		

GI xxSNMPTY11	ISDN ref. to:	PLMN ref. to:	
GIXXGINIVII I I I I	EN 300 403-1 clause 5.2	TS 100 517, TS 100 545	
TSSreference:	GSM-ISDN/Supplementary services/MPTY		
ISDN selection	MPTY	ES/IVII 1 I	
criteria:	IVII T I		
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 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. 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 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.		
ISDN Parameter values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:			

GIxxSNCD01	ISDN ref. to: ETS 300 207	PLMN ref. to: EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	,
ISDN selection		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 values:	GSM-BC=G_BC_ID	
Comments:		

GI xxSNCD02	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 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	BC=I_BC_ID	
values:		
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/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 c	liverted-to user"
PLMN selection criteria:		
Test purpose:	user C are in network N1. Ensure that when user A calls user Call Proceeding call state N09. The Facility information element coded performs the call deflection to user	and is provided with CD. The PLMN user A and PLMN B, the local exchange of user B goes to the Incoming en user B sends a FACILITY message containing a as CallDeflection invoke component. The network C. On the indication that the diverted-to network is in the user B receives a DISCONNECT or RELEASE
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSNCD06	ISDN ref. to: ETS 300 207	PLMN ref. to: EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_service	,
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:	user C are in network N1. Ensure that when user A calls user Receiving call state N25. Then use information element coded as Callt the call deflection to user C. On the	and is provided with CD. The PLMN user A and PLMN B, the local exchange of user B goes to the Overlap B sends a FACILITY message containing a Facility Deflection invoke component. The network performs B indication that the diverted-to network is in the Call B receives a DISCONNECT or RELEASE message
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GIxxSNCD07	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 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_service	es/CD
ISDN selection	CD; (Network provider option "serv	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 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 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 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	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 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/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	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 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	
values:		
PLMN parameter	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 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 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 values:	BC=I_BC_ID		
PLMN parameter values:	GSM-BC=G_BC_ID		
Comments:			

GIxxSNCBS01	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	GSM-BC=G_BC_ID	
values:			
Comments:			

GIG xxSNCONF01	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 criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	which shall contain a BeginCONF call to be added. The network shall respond to user	establishment ends a FACILITY message including a Facility IE invoke component indicating the call reference of the 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 a	and is provided with CONF. The PLMN user A. The
	ISDN user C are in network N2 or N	N1.
	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 establishment	
	[in the (Active, Idle) state] user B 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.	
	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.	

GIG 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_service	es/3PTY
ISDN selection criteria:	ЗРТҮ	
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 values:	BC=I_BC_ID	
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-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user A the notification "Remote hold". User B sends a RETRIEVE message for CRx. User B shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A.	

ISDN ref. to:	PLMN ref. to:
EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
GSM-ISDN/Supplementary_services/3PTY	
3PTY	
	er B can establish a three-way conversation call with
	dle connection. After the completion of the Retrieve
BC=I_BC_ID	
GSM-BC=G_BC_ID	
User A calls user B. After initiating of call hold from the user B, the call A-B has an	
, tour of the definition of the second of th	
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-	
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	
	nree-way bridge the call B-C has an Active-Idle
· ·	noo may shago the ball B o hab all holly late
The call clearing procedure is performed from user C.	
	EN 300 188-1, clause 9.2 GSM-ISDN/Supplementary_service 3PTY The ISDN user B is in network N2 a The PLMN user A and PLMN user Ensure that user A calls user B. Us user C. User B release the Active-le function, the call clearing procedure BC=I_BC_ID GSM-BC=G_BC_ID User A calls user B. After initiating a Active-Held connection. User B is calling user C (with the C When user B sends a FACILITY ma Begin3PTY invoke component the containing a facility IE with a Begin way bridge is established. On receipt of a DISCONNECT mes connection (CRx) the network shall message. After the release of the th connection.

GII xxSN3PTY01	ISDN ref. to:	PLMN ref. to:
GIIXXSINSF I TUT		
	EN 300 188-1, clause 9.2	EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_service	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 is in the network 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 procedure	e is performed from user B.
ISDN Parameter	BC=I_BC_ID	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

GII 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 The ISDN user C are in the networ	J. M. o. MO	
		ser B can establish a three-way conversation call with	
		dle connection. After the completion of the Retrieve	
ISDN Parameter	function, the call clearing procedure is performed from user B.		
values:	BC=I_BC_ID		
PLMN parameter	GSM-BC=G_BC_ID		
values:	GOINI-DC=G_DC_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.		

7.4 Test purposes for GSM-PSTN

7.4.1 Test purposes for GSM-PSTN, Basic call

7.4.1.1 Successful

Successful	
Speech	

GPSP01	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	TS 11	
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 voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter	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.	

GPSP02	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 SP 03	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:		

GPSP04	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 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 values:	GSM-BC=speech	
Comments:		

GPSP_05	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:	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 3,1 kHz audio ex PLMN

GPAU01	PSTN ref. to:	PLMN ref. to:
	EN 300 001	EN 300 940, clauses 5.2.1.4.1, 5.5.1 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 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 PLMN, voice band data via modem, no LLC	
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.	

GPAU02	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 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	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
values:		
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:		

GPAU04	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/	3,1 kHz audio ex PLMN
PSTN selection		
criteria:		
PLMN selection criteria:	Audio	
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/Successful/	HSCSD - 3,1 kHz
PSTN selection	Bearer service 3,1 kHz audio	
criteria:		
PLMN selection	HSCSD, 3,1 kHz	
criteria:		
Test purpose: PSTN parameter	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. BC=3,1 kHz audio, voice band data via modem,	
values:	synchronous/ asynchronous mode: user rate: USER_RATE	MODE
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, synchronous/asynchronous mode: fix network user rate: FNU_RATE maximum number of traffic channe air interface user rate: AIU_RATE acceptable channel coding: TCH_F	MODE Is: No_TCH,
Comments:		

01 114 00	IODNI and the	DI MAL mod (a.
GIHA02	ISDN ref. to:	PLMN ref. to:
	EN 300 403-1	EN 300 940
		TS 100 976
		TS 101 038
TSSreference:	GSM-ISDN/Basic_call/Successful/	HSCSD - 3,1 kHz
ISDN selection	Bearer service 3,1 kHz audio	
criteria:		
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, synch	ronous/ asynchronous mode is set to MODE, fix
	network user rate set to FNU RAT	E, 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	eter values: 3,1 kHz audio, voice band data via
	-	us mode is set to MODE, user rate set to
	USER_RATE is performed correct	
		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_f	₹X X
	LLC=3,1 kHz audio, voice band da	
	synchronous/ asynchronous mode	
	user rate: USER RATE	
Comments:		

Values for test purpose GPHA01 and GPHA_	02
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	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
	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
	NO_TGH: 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
V4 00	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
VA 40	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

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/Successful	/Facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 62	
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=facsimile G3, HLC=Facsimile G2/G3	
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.	

GPFX02	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 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	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
values:		
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:		

GPAF02	PSTN ref. to:	PLMN ref. to:
	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/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 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.	
	performed correctly.	N10) the voice transfer on the traffic channels is
PSTN parameter		
values:		
PLMN parameter	first GSM-BC=speech,	
values:	second GSM-BC=facsimile G3,	
Comments:		

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/Successful/	/Alternate speech and facsimile G3
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	indicator information element shall description value #1 "call is no end or #8 "In-band information or approaches that in the call delivered statones/announcement are applied.	orrectly. During call establishment a Progress be returned to the calling user with progress l-to-end ISDN", #2 "destination address in non-ISDN" opriate pattern now available". ate (N4) the transfer of tone is performed correctly if (N10) the voice transfer on the traffic channels is
PSTN parameter values:		
PLMN parameter	first GSM-BC=speech	
values:	second GSM-BC=facsimile G3	
Comments:		elements are created by the originating exchange ress complete message (ACM) in the ISUP. Table 1 value.

GPAF04	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/A	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=facsimile G3, HLC	
Comments:		elements are created by the originating exchange ess 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	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

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 values:	EMERGENCY SETUP; GSM-BC=speech,		
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	EMERGENCY SETUP; GSM-BC=speech, no HLC	
values:		
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:		

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/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 values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

GPEC05	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 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.		

PSTN ref. to:	PLMN ref. to:
EN 300 001	EN 300 940, clauses 5.2.1 and 7.3.2
GSM-PSTN/Basic_call/Successful/	Emergency Call
Emergency service;	
TS 12	
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.	
EMERGENCY SETUP; GSM-BC=speech	
	tor whether to accept emergency calls coming from
	EN 300 001 GSM-PSTN/Basic_call/Successful/ Emergency service; TS 12 Emergency call from MS without a performed correctly when the callecontains the GSM-BC=speech, and Ensure that in the call delivered statones/announcement are applied. Ensure that in the active call state operformed correctly.

GPEC07	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	
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 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; 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.	

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/Successful/	Emergency Call
PSTN selection	Emergency service;	
criteria:		
PLMN selection criteria:	TS 12	
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

GP SP U01	PSTN ref. to:	PLMN ref. to:
SSSS.	EN 300 001	EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccess	ul
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.	

GPSP_U02	PSTN ref. to: PLMN re	f. to:	
	EN 300 001 EN 300 9	40, clauses 5.2.1, 5.4 and 7.3.2	
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful		
PSTN selection			
criteria:			
PLMN selection	TS 11		
criteria:			
Test purpose:	Ensure that when calling to a unallocated PS	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 announcement	ents 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 HLC=telephony.	GSM-BC=speech, and can contain a

GP SP U04	PSTN ref. to:	PLMN ref. to:
GGGG .	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 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 HLC=telephony.	GSM-BC=speech, and can contain a

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/Unsuccessf	ul/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 an	nouncements 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/l	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	.MN, 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/Unsuccessi	ul/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	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
values:		
Comments:		

GP AU 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/L	Jnsuccessful/3,1 kHz ex PLMN
PSTN selection		
criteria:		
PLMN selection	Audio	
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=3,1 kHz ex PL	MN, voice band data via modem
values:		
Comments:		

UNSUCCESSFUL UDI

OD DILLION	DCTM ref to:	DI MNI not to
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	ful/UDI
PSTN selection criteria:		
PLMN selection criteria:	UDI	
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	GSM-BC=UDI with V.110/X.30 rat	e adaption
values:		
Comments:		

Unsuccessful Facsimile group 3

GPFX_U01	PSTN ref. to:	PLMN ref. to:	
	EN 300 001	EN 300 940, clause H.1.1	
TSSreference:	GSM-PSTN/Basic_call	/Unsuccessful/Facsimile G3	
PSTN selection			
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".		
PSTN parameter		<u>-</u>	
values:			
PLMN parameter	GSM-BC=facsimile G3	GSM-BC=facsimile G3	
values:			
Comments:	NOTE: some PSTN	s provide announcements instead of sending cause value #1.	

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

Unsuccessful Alternate speech and facsimile group 3

CD AF H04	PSTN ref. to:	PLMN ref. to:	
GPAF_U01			
	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	TS 61	TS 61	
criteria:			
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the		
	calling user with cause	calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter		- · · · · · · · · · · · · · · · · · · ·	
values:			
PLMN parameter	first GSM-BC=speech,	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/Unsuccess	sful/Alternate speech and facsimile G3
PSTN selection		
criteria:		
PLMN selection	TS 61	
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	first GSM-BC=speech,	
values:	second GSM-BC=Facsimile 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/Unsuccessf	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:		

GPAF_U04	PSTN ref. to: EN 300 001 PLMN ref. to:	
	EN 300 940, clause H.1.5	
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/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:		

UNSUCCESSFUL Emergency Calls

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/Unsucc	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_service	es/CLIP
PSTN selection	The called user is provided with CL	IP
criteria:		
PLMN selection		
criteria:		
Test purpose:		subaddress is provided by the calling user, the
	Calling party number is correctly de	elivered 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_service	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_service	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:		

GPxxSSCLIR02	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_service	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 Cl	
	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
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

00001501	I	
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_service	ces/COLR
PSTN selection	COLR	
criteria:		
PLMN selection	The calling user is provided with COLP	
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=NF	P, 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 tha	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_servi	ces/CUG
PSTN selection	The called user is not member of 0	CUG.
criteria:		
PLMN selection	The calling user belong to a CUG	with outgoing access "not allowed"
criteria:		
Test purpose:	the called user is not member of C	belong to CUG with outgoing access "not allowed" and UG, call establishment is not possible and the network ser with cause value #87 "user not a member of
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID, CUG default	request
values:		
Comments:		s of the PSTN supplementary services are network
	operator specific. It is assumed that	at 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_sei	vices/CFU	
PSTN 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).		
PLMN selection	Call to a forwarding subscriber (CFU)	
criteria:			
Test purpose:	Ensure that when user A calls us	ser B, the call is forwarded to user C, user A and user C	
	are Notified of call diversion.	are Notified of call diversion.	
PSTN parameter	CFUactive		
values:			
PLMN parameter	GSM-BC=G_BC_ID		
values:			
Comments:	The stage 1, 2 and 3 specificatio	ns of the PSTN supplementary services are network	
	operator specific. It is assumed t	hat 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_serv	rices/CFU	
PSTN selection	The user B is in network N2 and is	s provided with CFU("calling user is notified of call	
criteria:	diversion"=Yes, with diverted-to n	umber, "diverting number is released to the	
	diverted-to User"=No).		
PLMN selection	Call to a forwarding subscriber (C	FU)	
criteria:			
Test purpose:		er 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 specification	s of the PSTN supplementary services are network	
	operator specific. It is assumed th	at 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_service	ces/CFB
PSTN selection		provided with CFB ("calling user is notified of call
criteria:	diversion"=Yes, with diverted-to nu	mber, "diverting number is released to the
	diverted-to user"=Yes).	
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
	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	t the PSTN subscriber acts like an ISDN-subscriber.

GP xxSSCFB02	PSTN ref. to:	PLMN ref. to:
	network operator specific	ETS 300 543, clause 2
	·	ETS 300 566, clause 2
TSSreference:	GSM-PSTN /Supplementary_se	ervices/CFB
PSTN selection criteria:		d is provided with CFB ("calling user is notified of call o number, "diverting number is released to the
PLMN selection criteria:	Call to a forwarding subscriber	(CFB)
Test purpose:	Ensure that when user A calls to user C are notified of call divers	ousy user B, the call is forwarded to user C, user A and sion.
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		ions of the PSTN supplementary services are network 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_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"=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 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.

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 (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 C are notified of call diversion.	
PSTN parameter	CFNR active	
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		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:	
GPxxSSCCBS01			
	EN 300 001	EN 300 646-1, clause 6.1.1.14	
T00	COM DOTALIO	TS 124 093	
TSSreference:	GSM-PSTN/Supplementary_service		
ISDN selection	DLE is supporting the CCBS supplementary service		
criteria:			
PLMN selection	OLE is supporting the CCBS suppl	ementary 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:			
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	nvoke component including the	
	AccessRegisterCCEntry,		
		DMPLETE message containing a Facility information	
		Irn result component including the CCBS Index and	
		ressOfB and the BasicServiceCode.	
		the network shall offer subscriber A the option of	
	recalling destination B.		
		allocate a Transaction Identifier (TI) and establish the	
		ERVICE 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.		
		er 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 CC	CBS 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.		

SETUP>	
(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	
NETW RR CONNECTION ESTABLISHED <	
CM SERVICE PROMPT	_
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.

GP xxSSCCBS02	PSTN ref. to:	PLMN ref. to:
GIXXGGGGBGGZ	EN 300 001	EN 300 646-1, clause 6.1.1.14
	211 300 001	TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection		
	DLE is supporting the CCBS suppl	ementary service
criteria:	015: " " 0050	
PLMN selection	OLE is supporting the CCBS suppl	ementary 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	
	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	
		Compatibility (HLC) and Low Level Compatibility
		STABLISHMENT CONFIRMED message
	G BC ID CC E C	J
	G_LLC_ID_CC_E_C	
	G_HLC_ID_CC_E_C	
Comments:		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,	σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ
		DMPLETE message containing a Facility information
		urn result component including the CCBS Index and
		ressOfB and the BasicServiceCode.
		the network shall offer subscriber A the option of
	recalling destination B.	
		allocate a Transaction Identifier (TI) and establish the
		ERVICE PROMPT message. MS A establishes the
	CC connection by sending a STAR	
		ESTABLISHMENT message to MS A which shall
	include the Setup container.	
		Capability (BC), High Level Compatibility (HLC) and
		rmation within the Setup container.
		HMENT CONFIRMED message to the network.
		CC ESTABLISHMENT CONFIRMED message it
		MS A, which contains information to be presented to
	the subscriber.	
		CBS recall, the MS A shall establish a new call with the
	SETUP message.	bo recall, the Ivio A shall establish a new call with the
		ection with MS A throughout the time when
		possible. Once the SETUP message is received, the
	network moves to call state N01.	possible. Office the SETOT Thessage is received, the
	THE LINGTH THOVES TO CALL STATE INCT.	

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_service	
ISDN selection	DLE is supporting the CCBS supple	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 message was
	received and the CCBS Call Set-up	
		d to the call with a ALERTING message
		nessage. Normal call handling continues.
ISDN parameter	BC=I_BC_ID	
values:	2011 20 0 20 12	
PLMN parameter	GSM-BC=G_BC_ID	
values:	The state of Direction	L E C H + + N40 / E DIOCONNICOT
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	nvoke component including the
	AccessRegisterCCEntry,	NADI ETE anno antoinim a English information
		MPLETE 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 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 ESTABLISH	IMENT CONFIRMED message to the network.
	Once the network has received the	CC ESTABLISHMENT CONFIRMED message it
	shall send a RECALL message to I	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.	•
	When user B has responded to the	call with a ALERTING message the MS A receives
	an ALERTING message. Normal call handling continues.	

GP xxSSCCBS04	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 supple	
criteria:		,
PLMN selection	OLE is supporting the CCBS supple	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 sen	
		(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:	The materials NM in the Discourse of	Indication and state NAO (and disman DICCONNECT
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,	TWOKE 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 becomes free the network shall offer subscriber A the option of	
	recalling destination B.	
		allocate a Transaction Identifier (TI) and establish the
	CC connection by sending a CM SI	ERVICE PROMPT message. MS A establishes the
	CC connection by sending a STAR	T 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)	
		information within the Setup container.
		HMENT CONFIRMED message to the network.
		CC ESTABLISHMENT CONFIRMED message it
		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.	action with MC A throughout the time when
		ection with MS A throughout the time when
	1 :	possible. Once the SETUP message is received, the
	network moves to call state N01.	call with a CONNECT massage the MS A receives
	When user B has responded to the call with a CONNECT message the MS A receives	
	an CONNECT message. Normal call handling continues.	

GPxxSSCCBS05	PSTN ref. to:	PLMN ref. to:
		EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_service	es/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 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 supple	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:		

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	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 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.	

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_service	es/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:	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	GSM-BC=G_BC_ID	
values:		
Comments:		

GPxxSSCCBS09	PSTN ref. to: PLMN ref.	. to:
	EN 300 64	16-1, clause 6.1.1.14
	TS 124 09	3 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection	DLE is supporting the CCBS supplementary s	ervice
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	BC=I_BC_ID	
values:		
PLMN parameter		
values:		
Comments:	When CCBS is allowed the network shall give CCBS Request. The network shall send a DISCONNECT mess cause #34 (no circuit / channel available)) with Possible and allowed actions indicating CCBS retention timer T1 when it sends the DISCONI If the subscriber A does not accept CCBS acti RELEASE message and the network shall sto the timer T1 expires before the RELEASE message network shall continue normal call clearing.	sage to MS A (cause #17 (User Busy) or a diagnostic field indicating CCBS is is Possible. The network starts the NECT message. ivation, the MS shall send normal up T1 and continue normal call clearing. If

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_service	es/MCID	
PSTN selection	The called (served) user is provide	The called (served) user is provided 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:	1 5 7	of the PSTN supplementary services are network 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_service	ces/MCID
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 at 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_service	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 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. User A is terminating the entire multi party call.	

GP xxSNMPTY02	PSTN ref. to:	PLMN ref. to:
GIXXSINIVII 1 102	EN 300 001	
		TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_service	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 release the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user A calls user C. After call established a FACILITY message to the indicates to the network that the me	olishment user A initiates call hold. Then olishment user A invokes the MPTY service by the network containing the BuildMTPY request which oblie subscriber wishes all his calls to be connected all clearing procedure to user B is performed from

GPxxSNMPTY03	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	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.	
	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	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 terminates the multi-party call and the single 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.	

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:	N1. Ensure that the user A can establis separate the remote user B from th	The PLMN user A and PLMN user C are in network h a MPTY call to user B and user C and e multi-party call which is placed on hold (A-B terminates the held multi party, user B is clears the
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user C. After call establishment user FACILITY message to the network the network that the mobile subscrimulti party call. To separate the remote user B from	olishment user A initiates call hold. Then user A calls er 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 in the MPTY, the served mobile will send a SplitMPTY ork will send normal CallOnHold notifications to the call.

GPxxSNMPTY06	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). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user C. After call establishment user FACILITY message to the network the network that the mobile subscrimulti party call. To separate the remote user B from message to the network. The network remote parties on hold in the MPTY User B is clearing the A-B Active call.	all. After the completion of the Retrieve function with a ion identifier corresponding to any call in the MPTY,

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 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.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	user C. After call establishment user FACILITY message to the network the network that the mobile subscrimulti party call. To separate the remote user B from message to the network. The networkmente parties on hold in the MPTY	olishment user A initiates call hold. Then user A calls er 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 in the MPTY, the served mobile will send a SplitMPTY ork will send normal CallOnHold notifications to the call.

GPxxSNMPTY08	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). 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 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_service	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 values:	GSM-BC=G_BC_ID	
Comments:		

GPxxSNMPTY10	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:	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). 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.	
PSTN parameter		
values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GPxxSNMPTY11	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.	
		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). 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 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.	
PSTN parameter		
values:		
PLMN parameter	GSM-BC=G_BC_ID	
values:		
Comments:		

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 Ca	alls
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

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

00 00 04	DI MAI not to	
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:		

GGSP02	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 criteria origin.:	TS 11	
PLMN selection criteria term.:	TS 11	
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:		

GGSP_03	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	GSM-BC=speech, HLC=telephony
values origin.:	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony
Comments:	

GGSP04	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 values origin.:	GSM-BC=speech, HLC=telephony
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony
Comments:	

Successful 3,1 kHz audio, ex PLMN

GGAU01	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
	CCM PC-2.1 kHz gudio av PLMNL vaiga hand data via modem
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem
values term.:	
Comments:	

GGAU02	PLMN ref. to:	
	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:		

GGAU03	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	
DI 1001	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:		

GGAU04	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 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 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	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem,
values origin.:	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	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 GGAU_03; GGAU_0	04;
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
V	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.:	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 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:		

00 110 00	DIAM.
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 GSM-BC =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 GIDl	J03
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 criteria origin.:	TS 62
PLMN selection criteria term.	TS 62
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 values origin.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
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	TS 62
criteria origin.	
PLMN selection	TS 62
criteria origin.	
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	GSM-BC=facsimile G3, no HLC
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
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.

GGAF_02	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.:	Single numbering Scheme, TS 61
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 values origin.:	first GSM-BC=speech 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.

CC AF 02	PLMN ref. to:
GGAF03	
	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:	

GG AF 04	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	first GSM-BC=speech
values origin.:	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 criteria origin.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
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	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	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:	

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 criteria origin.:	TS 61
PLMN selection criteria term.:	Single numbering Scheme, TS 61
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.

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 criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a 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:	

GGAF_12	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.:	TO 04
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.

GGAF_13	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 criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a 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 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, 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 criteria origin.:	TS 61
PLMN selection criteria term.:	TS 61
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	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, 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/Al	ternate 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:		

Successful Alternate Speech / Data

GG AD 01	PLMN ref. to:		
00AD_01	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.		

GGAD_02	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.	

GGAD_04	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 criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
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: PLMN parameter	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. 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.	

GGAD06	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 criteria origin.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
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 setup 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 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 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.	

GGAD07	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 GGAD05 to G	GGAD_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	
	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.	

GGAD_09	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 criteria term.:	Single numbering Scheme, BS 61	
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 setup 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:	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.	

GG AD 10	PLMN ref. to:	
GG/\B10	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	PS 61: Hear A and user B are subscribed to the same DLMN and user B is reaming in a	
criteria term.:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a	
	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,	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	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 GGAD08 to GG	AD10
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

GGFD_01	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.		

00 ED 00	DI BENI COLO	
GGFD02	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,	
PLMN parameter		
values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

GGFD_03	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 criteria origin.:	BS 81	
PLMN selection criteria term.:	BS 81	
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.	

GGFD_04	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 criteria origin.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
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.2.7.2
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 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
DI MNI	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
DI MANI	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.

GGFD_06	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 criteria origin.:	BS 81
PLMN selection criteria term.:	Single numbering Scheme, BS 81;
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 criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a 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 GGFD05 to GGFD_	_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.	

GGFD_10	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
Commenter	user rate: USER_RATE
Comments:	

Values for test purposes GGFD08 to GG	_FD10
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/Successful/h	HSCSD - 3,1 kHz
PLMN selection	HSCSD, 3,1 kHz	
criteria origin.:		
PLMN selection	HSCSD, 3,1 kHz	
criteria term.		
Test purpose:	data via modem, synchronous/ asy rate set to FNU_RATE, maximum r interface user rate set to AIU_RATI correctly mapped to the called user Ensure that in the active call state (parameter values: 3,1 kHz audio ex PLMN, voice band inchronous mode is set to MODE, fix network user number of traffic channels set to No_TCH, wanted air E, acceptable channel coding set to TCH_FX_X is :: N10) the data transfer on the traffic channels is
PLMN parameter	performed correctly. GSM-BC=3,1 kHz audio ex PLMN,	voice hand data via modem
values origin.:	synchronous/asynchronous mode:	
values originii	fix network user rate: FNU_RATE	MODE
	maximum number of traffic channe	ls: No TCH.
	air interface user rate: AIU_RATE	_ ,
	acceptable channel coding: TCH_F	·X_X
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	
Comments:		

GG HA 02	PLMN ref. to:	
00NA02	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 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 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	
values term	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:		

Values for test purpose GG HA 01 and GG HA	02
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
NA	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
*** <u>_</u>	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
VA_05	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	MODE: synchronous
	USER_RATE: 56,0 kbit/s
	FNU_RATE: 56,0 kbit/s transparent
	No_TCH: 4
	AIU_RATE: 57,6
V	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
	TCH_FX_X: 4,8
VA_09	MODE: asynchronous
	USER_RATE: 28,8 kbit/s
	FNU_RATE: 28,8 kbit/s No TCH: 2
	NO_1CH. 2 AIU_RATE: 28,8
	TCH_FX_X:14,4
VA_10	MODE: asynchronous
· · · <u>-</u> · · ·	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 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 GSM-BC 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:		

00 1111 00	PLMN ref. to:	
GGHU02		
	EN 300 940	
	TS 100 976	
	TS 101 038	
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - UDI	
PLMN selection	HSCSD, UDI	
criteria origin.:		
PLMN selection	HSCSD, UDI	
criteria term.		
Test purpose:	Ensure that the GSM-BC 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 LLC 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 called user. In the active call state ensure that the data transfer on the traffic channels are 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	
	LLC=UDI, V.110/X.30,	
	synchronous/ asynchronous mode: MODE	
	user rate: USER_RATE	
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	
	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 GG_	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
	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
	USER_RATE: 14,4 kbit/s
	FNU_RATE: 14,4 kbit/s
	No_TCH: 1
	AIU_RATE: 14,4
NA 00	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
VA 44	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
	ΙΟΙΙ_Ι Λ_Λ. 14,4

7.5.1.2 Unsuccessful

Unsuccessful speech

GG SP 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:		

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 criteria origin.:	TS 11
PLMN selection criteria term.:	TS 11
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	TS 11
criteria origin.:	
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	TS 11
criteria origin.:	
PLMN selection	TS 11
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=speech
values origin.:	
PLMN parameter	GSM-BC=speech
values term.:	
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:	

GG SP 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	TS 11
criteria origin.:	
PLMN selection	TS 11
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=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").

Unsuccessful 3,1 kHz audio ex PLMN

GG AU 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	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
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	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 #18.

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 values term.:	GSM-BC=3,1 kHz audio ex PLMN
Comments:	

CC ALL LIGG	PLMN ref. to:
GGAU_U06	
	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	GSM-BC=3,1 kHz audio ex PLMN
values origin.:	
PLMN parameter	GSM-BC=3,1 kHz audio ex PLMN
values term.:	
Comments:	

GG AU U08	PLMN ref. to:
	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").

Unsuccessful UDI

GG UD U01	PLMN ref. to:
0005_001	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 criteria origin.:	UDI
PLMN selection criteria term.:	UDI
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:	

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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	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_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:	

GGUD_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 criteria origin.:	TS 62
PLMN selection criteria term.:	TS 62
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	TS 62
criteria act:	
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	GSM-BC=facsimile G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
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:	

GGFX_U07	PLMN ref. to:
	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	TS 62
criteria origin.:	
PLMN selection	TS 62
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=facsimile G3
values origin.:	
PLMN parameter	GSM-BC=facsimile G3, HLC=Facsimile G2/G3
values term.:	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").

Unsuccessful Alternate speech and facsimile group 3

GG AF U01	PLMN ref. to:
J 66711 _661	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 criteria origin.:	TS 61
PLMN selection criteria term.:	TS 61
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.

GGAF_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).

GGAF_U15	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) 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:			

GG xxSSCLIR01	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:			

GGxxSSCLIR02	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:	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.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
values term.:		
Comments:		

	-		
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 COLP		
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/C0	OLP	
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:			

GG xxSSCOLR01	PLMN ref. to:	
GGXXSSCOLKUT		
	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:		

GGxxSSCUG01	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 user belong to the same CUG;		
criteria term.:	CUG supplementary options: IA; not ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access i	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 Pres	f. 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 100 540	
TSSreference:		
	GSM-GSM/Supplementary_services/CUG	
PLMN selection	CUG supplementary options: not O	A; 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 same CUG;
	CUG supplementary options: IA; no	ot ICB
Test purpose:	Ensure that when the calling 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:		

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 VPLMN (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 calling 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: OA;		
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 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), 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_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 VPLMN (Visited PLMN);	
	The called user belongs to the sam	e 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), 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	
PLMN selection		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 subscrib	
criteria term.:		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 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	
		a SETUP message with the Facility IE which shall
		JG Index (CI), Suppress Pref. CUĞ (SPC), Suppress
		nessage with a Facility IE which contains an CUG
	index associated with the invoked (·
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: OA ;
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 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:	

GGxxSSCUG08	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	s/CUG
PLMN selection		with the following CUG supplementary options: OA;
criteria origin.:	not ocb; not Pref. CUG	
PLMN selection	Calling user and called are subscrib	ped 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: IA; not ICB	
Test purpose:	outgoing calls barred within the CU belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access allowed, not G and not preferential CUG and the called user sming access allowed and not incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC), message with a Facility IE which contains an CUG 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 (Invok	e=NotifySS(CUG-Index))
values term.:		
Comments:		

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GGxxSSCUG09	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	
	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	ped 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	e CUG with the following CUG supplementary options:
	IA; not ICB	
Test purpose:	Ensure that when the calling user I	pelongs to a CUG with outgoing access allowed, not
	outgoing calls barred within the CU	G and not preferential CUG and the called user
	belongs to the same CUG with inco	ming access allowed and not incoming calls barred
		a SETUP message with the Facility IE which shall
		JG Index (CI), Suppress Pref. CUG (SPC),
		nessage with a Facility IE which contains an CUG
	index associated with the invoked C	,
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 (Invok	e=NotifySS(CUG-Index))
values term.:		, , , , ,
Comments:		

GGxxSSCUG10	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	s/CUG
PLMN selection	The calling user belongs to the sam	ne CUG with the following CUG supplementary
criteria origin.:	options: OA; not ocb; not Pref. Cl	JG
PLMN selection	The called user belongs to CUG wi	th the following CUG supplementary options: IA; ICB
criteria term.:		
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	celongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user ming access allowed and incoming calls barred a SETUP message with the Facility IE which shall JG Index (CI), Suppress Pref. CUG (SPC), nessage without a Facility IE which contains an CUG 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 xxSSCUG11	PLMN ref. to:	
GGxxSSCUGTT		
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/C	CUG
PLMN selection	The calling user belongs to the sar	me 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 t	the following CUG supplementary options: IA; ICB
Test purpose:	not outgoing calls barred within the CU belongs to the same CUG with incomi within the CUG, after the receipt of a Scontain a ForwardCUG-Info with CUG the called user receives a SETUP mes index associated with the invoked CUG	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Inf	o: CUG Index (CI);
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

GGxxSSCUG12	PLMN ref. to:	
	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_service	es/CUG
PLMN selection		ne CUG with the following CUG supplementary
criteria origin.:	options: OA; not ocb; not Pref. Cl	
	the calling user is roaming in a VPL	_MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	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 belongs to CUG wi	th the following CUG supplementary options: IA; ICB
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user bring access allowed and incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC), message without a Facility IE which contains an CUG 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: OA ;
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 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 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 VPLMN (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 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 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_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,	
	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscribed to the same HPLMN;	
criteria term.:		me VPLMN (Visited PLMN) of the calling user;
		e CUG with the following CUG supplementary
	options: IA; not ICB	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with, S the called user receives a SETUP r	nessage 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:		

GG xxSSCUG16	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	The called user is not a CUG subscriber
criteria term.:	
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 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:	

GGxxSSCUG17	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 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 is not a CUG subscriber	
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 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 calling user has not subscribed to the CUG and the called 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 xxSSCUG19	PLMN ref. to:	
XXCCCCC10	TS 100 546	
	TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services	s/CUG
PLMN selection	The calling user is not member of Cl	UG,
criteria origin.:	the calling user is roaming in a VPLI	MN (Visited PLMN).
PLMN selection	Calling user and called are subscribe	ed to the same HPLMN;
criteria term.:	the called user is roaming in the sam	ne VPLMN (Visited PLMN) of the calling user;
	The called user belongs to CUG with not ICB	n the following CUG supplementary options: not IA;
Test purpose:	belongs to a CUG with incoming acc the CUG, after the receipt of a SETL	as not subscribed to the CUG and the called user cess not allowed and not incoming calls barred within JP message without Facility IE containing a e call clearing to the calling user with cause value
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG20	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: not
criteria origin.:	OA; not ocb; not Pref. CUG	
PLMN selection	The called user is not member of C	UG
criteria term.:		
Test purpose:	allowed, not outgoing calls barred v called user belongs not to a CUG, Facility IE which shall contain a For CUG Index (CI), Suppress Pref. CL Call establishment is not possible a with cause value #29 "facility reject	IG (SPC), Suppress OA (SOA) nd the network initiate call clearing to the calling user ed ".
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	s/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 subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in the sai	me VPLMN (Visited PLMN) of the calling user;	
	The called user is not member of CUG		
Test purpose:	Ensure that when the calling 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 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:			

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GGxxSSCUG22	PLMN ref. to:
	TS 100 546
	TS 100 569
TSSreference:	GSM-GSM/Supplementary_services/CUG
PLMN selection criteria origin.:	The calling user belongs to a CUG with the following CUG supplementary options: OA ; 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 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 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	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		
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL	MN (Visited PLMN);	
	The called user belongs to the same CUG with the following CUG supplementary		
	options: not IA; ICB		
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU	belongs to a CUG with outgoing access is allowed, CUG and not preferential CUG and the called user bring access is not allowed and incoming calls barred a SETUP message with the Facility IE which shall UG Index (CI), Suppress Pref. CUG (SPC), and the network initiate call clearing to the calling user Is 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:			

GG xxSSCUG24	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,	
_	the calling user is roaming in a VPL	.MN (Visited PLMN).
PLMN selection	Calling user and called are subscrib	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 belongs to the sam	e CUG with the following CUG supplementary
	options: not IA; ICB;	
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco within the CUG, after the receipt of contain a ForwardCUG-Info with CU call establishment is not possible a with cause value #55 "incoming cal	
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI);	
values origin.:	Suppress Pref. CUG (SPC);	
PLMN parameter		
values term.:		
Comments:		

GGxxSSCUG25	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 user belong to the same CUG;		
criteria term.:	CUG supplementary options: not IA; not ICB.		
Test purpose:	Ensure that when the calling user belongs to a contoutgoing calls barred within the CUG and not belongs to the same CUG with incoming access within the CUG, after the receipt of a SETUP me contain a ForwardCUG-Info with CUG Index (CI) the called user receives a SETUP message with index associated with the invoked CUG.	of preferential CUG and the called user allowed and not incoming calls barred essage with the Facility IE which shall), a Facility IE which contains a CUG	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG	Index (CI).	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))		
Comments:			

GGxxSSCUG26	PLMN ref. to:		
	TS 100 546		
	TS 100 569		
TSSreference:	GSM-GSM/Supplementary_service	s/CUG	
PLMN selection	CUG supplementary options: not C	A; not OCB; not Pref. CUG	
criteria origin.:			
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;	
criteria term.:	the called user is roaming in a VPL		
	calling user and called user belong to the same CUG;		
	CUG supplementary options: not I/		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access 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 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_service	s/CUG
PLMN selection	CUG supplementary options: not O	A; not OCB; not Pref. CUG
criteria origin.:	the calling user is roaming in a VPL	
PLMN selection	Calling user and called are subscrib	ped to the same HPLMN;
criteria term.:		me VPLMN (Visited PLMN) of the calling user;
	calling user and called user belong	
	CUG supplementary options: not IA	A; not ICB.
Test purpose:	not outgoing calls barred within the belongs to the same CUG with inco barred within the CUG, after the red shall contain a ForwardCUG-Info with	nessage with a Facility IE which contains a CUG
PLMN parameter	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID; Facility (Invoke	e=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 criteria origin.:	SUB
PLMN selection criteria term.:	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
PLMN parameter values term.:	GSM-BC=G_BC_ID, Called party subaddress
PLMN parameter values origin.:	GSM-BC=G_BC_ID, Called party subaddress
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"=Yes).	
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=NotifySS[CFU, SS-Notification]) message, user C 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	The user B is in network N2 provided with CFU("calling user is notified of call	
criteria term.:	diversion"=No).	
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 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:		

GGxxSSCFB01	PLMN ref. to:	
	ETS 300 566, clause 2	
	ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/C	CFB
PLMN selection	The user A and the user C are in netw	ork 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:	user C is notified with a FACILITY IE (diversion. User B is notified with a FACILITY (Invall diversion.	er B, the call is forwarded to user C. /oke=NotifySS[CFB, SS-Notification]) message, Invoke=NotifySS[CFU,SS-Notification]) of call /oke=NotifySS[CFB, SS-Notification]) message of
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"= No ; "notification to forwarding subscriber"= No)	
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.	
	User C 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_service:	S
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 CFNRy ("calling user is notified of call
criteria term.:	diversion"=Yes, "notification to forwarding subscriber"=Yes).	
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[CFNRy, SS-Notification]) message, user C is notified with a FACILITY IE (Invoke=NotifySS[CFNRy, SS-Notification]) of call diversion. User 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"= No "notification to forwarding subscriber"= No)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C.	
	User A and B are not notified of call diversion.	
	User C 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:		

GG xxSSCFNRc01	PLMN ref. to:	
GGXXGGCFINKCUT		
	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"=Yes).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C.	
	User A is notified with a FACILITY (Invoke=NotifySS[CFNRy, SS-Notification]) message,	
	user C 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:		

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GGxxSSCFNRc02	PLMN ref. to:	
	ETS 300 566, clause 3	
	ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFN	NRc .
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"=No).	
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 C 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:		

GG xxSSHOLD02	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 calling user in the held state.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

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 calli call hold and that the call can be released from the called us	
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 values term.:	GSM-BC=G_BC_ID
Comments:	

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:	

GGxxSSUUS1i02	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 criteria term.:	The calling (served) user is provided with a UUS1 implicit request.
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user
PLMN parameter values origin.:	GSM-BC=G_BC_ID, UI length=32
PLMN parameter values term.:	GSM-BC=G_BC_ID, UI length=32
Comments:	

GGxxSSUUS1i04	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 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	GSM-BC=G_BC_ID, UI length=32
values origin.:	
PLMN parameter	GSM-BC=G_BC_ID, UI length=32
values term.:	
Comments:	

GG xxSSUUS1i05	PLMN ref. to:
XXCCCCC1100	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 values term.:	GSM-BC=G_BC_ID, UI length=32
Comments:	

GGxxSSUUS1i06	PLMN ref. to:
	EN 300 940, clause 10.5.4.25
TSSreference:	GSM-GSM/Supplementary_services/UUS1i
PLMN selection	UUS1i
criteria origin.:	
PLMN selection	The calling (served) user is provided with a UUS1 implicit request.
criteria term.:	
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
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:	

GG xxSSUUS1e01	
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 "UUS not required" 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	GSM-BC=G_BC_ID
values term.:	
Comments:	

GGxxSSUUS1e02	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 "UUS not required", 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 "UUS not required", 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:		

GGxxSSUUS1e04	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 "UUS required", 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG xxSSUUS1e05	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 "UUS required", 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:		

GG xxSSUUS1e06	PLMN ref. to:	
GGxx330031e00		
	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 "UUS required", 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 values origin.:	GSM-BC=G_BC_ID	
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 "UUS required", 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 criteria origin.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "UUS required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

00 100001	PLMN ref. to:	
GGxxSSUUS201		
	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 "UUS not required", the network can	
	transport USER INFORMATION messages 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:		

GGxxSSUUS202	PLMN ref. to:	
	TS 124 087	
	TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/U	US2
PLMN selection	UUS2 e	
criteria origin.:		
PLMN selection		
criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating " UUS not required ", 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 criteria origin.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", 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 values term.:	GSM-BC=G_BC_ID	
Comments:		

GGxxSSUUS204	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 "UUS required", 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:		

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 " UUS 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.	
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 " UUS not required ", 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGxxSSUUS301	PLMN ref. to: TS 124 087 TS 123 087
TSSreference:	GSM-GSM/Supplementary_services/UUS3
PLMN selection criteria origin.:	UUS1e
PLMN selection criteria term.:	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter values origin.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
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.:	"UUS not required", 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:	

GG xxSSUUS303	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", the network can transport USER INFORMATION messages in both directions during the Active state of the call.
PLMN parameter values origin.:	GSM-BC=G_BC_ID
PLMN parameter values term.:	GSM-BC=G_BC_ID
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:		

GG xxSSUUS306	PLMN ref. to:
	TS 124 087
	TS 123 087
T00	1 5 1 2 5 5 5 5
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
	"UUS not required", 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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
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 A-B is in the Active call sate and the call A-C is in the Active call state - Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user 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 A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter	GSM-BC=G_BC_ID	
values origin.:		
PLMN parameter	GSM-BC=G_BC_ID	
values term.:		
Comments:		

PLMN ref. to:	
EN 300 940	
GSM-GSM/Supplementary_services/ECT	
ECT	
ECT	
User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
C are in network N2.	
Ensure that when user A invokes ECT in which the call A-B is in the Active call state	
and the call A-C is in the Call Delivered State - Call Held auxiliary state , a connection between user B and user C is established and the calls	
A-B and A-C are released. When network C receives a CONNECT message from user	
C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
GSM-BC=G BC ID	
GSM-BC=G_BC_ID	

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.	

GGxxSSMPTY03	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.	
	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 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.	

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	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.	

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	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 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.	

GG xxSSMPTY07	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 C is clearing the MPTY held call.		
	User B is clearing the A-B 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.		
	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:		

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	
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	The PLMN supports barring of all incoming calls (BAIC).	
criteria term.:		
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	Com Com Cappionionally_Comicos, Can Saming Solvice	
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:		

00000001	Dian.	
GGxxSSCCBS01	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.:		
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 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 SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
Clause #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)
NETWORK RR CONNECTION ESTABLISHED <>
CM SERVICE PROMPT
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.

CC vveccopeaa	PLMN ref. to:	
GGxxSSCCBS02	EN 300 646-1, clause 6.1.1.14	
	TS 124 093	
TCCforestate		
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	
Comments:	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 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 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 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.	
	protwork moves to can state not.	

Values for test purpose 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

PLMN ref. to:		
DLE is supporting the CCBS supple	ementary service	
OLE is supporting the CCBS supple	ementary service. MS A is idle.	
	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was	
	lessage. Normal call flandling continues.	
GSINI-BC=G_BC_ID		
CSM BC-C BC ID		
GSINI-BC=G_BC_ID		
The network N1 in the Disconnect I	ndication call state N12 (conding a DISCONNECT	
	of a RELEASE message with a FACILITY information	
	TVOKE COMPONENT INCIDATING THE	
	MPLETE message containing a Facility information	
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 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		
	call with a ALEDTING managed the MC A received	
When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.		
	EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2 GSM-GSM/Supplementary_service DLE is supporting the CCBS supple OLE is supporting the CCBS supple Ensure that the MS A in the call profeceived and the CCBS Call Set-up and when user B has responded to the MS A receives an ALERTING mand when user B has responded to the MS A receives an ALERTING mand when user B has responded to the MS A receives an ALERTING mand when user B has responded to the MS A receives an ALERTING mand when user B has responded to the MS A receives an ALERTING mand when claim of the Disconnect I message to MS A with a diagnostic actions=CCBSPossible) on receipt element indicating CCBSRequest in AccessRegisterCCEntry, the network sends a RELEASE CO element with a CCBS Request return optionally the AdressOfB, SubAddrum When destination B becomes free recalling destination B. The network shall prompt MS A to a CC connection by sending a CM SECC connection by sending a STARThe network shall then send a CC include the Setup container. The MS is not modifying the Beard and Low Level Compatibility (LLC) in the MS A sends a CC ESTABLISH Once the network has received the shall send a RECALL message to Mand the subscriber. The subscriber A accepting the CC SETUP message. MSC A shall maintain the RR connected the CCBS Recall is protected to the consequence of the CCBS Recall is protected to the consequence of the CCBS Recall is protected to the consequence of the CCBS Recall is protected to the consequence of the CCBS Recall is protected to the cC	

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 supple	ementary service	
criteria origin.:			
PLMN selection	OLE is supporting the CCBS supple	ementary 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 and the CCBS Call Set-up was sent) and		
	when user B has responded to the		
		nessage. Normal call handling continues.	
PLMN parameter	BC=I_BC_ID	iessage. Normal call harialing continues.	
values origin.:			
PLMN parameter	GSM-BC=G BC ID		
values term.:	BO BO BO BO BO BO BO BO		
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 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. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.		

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: EN 300 646-1, clause 6.1.1.14	
TSSreference:	TS 124 093 clause 4.4	
	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 diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) 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. 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.		

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		
	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

GGxxSICFU_CLIP	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("c	alling user is notified of call	
criteria term.:	diversion"= Yes).		
	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 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		
PLMN parameter	performed correctly. A: ! GSM-BC=G BC ID		
values origin.:			
PLMN parameter	CFUactive		
values term.:	C: ? GSM-BC=G_BC_ID		
Comments:			

GG xxSSCFU 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"=No).		
	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 not notified of call diversion and 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 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 C	OLP.	
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).	
	User C is provided with CLIP		
Test purpose:		user B, the call is forwarded to user C.	
	User A is notified of call diversion w	rith a FACILITY (Invoke=NotifySS[CFU, SS-	
		sentation of the diverted-to number is allowed	
		nentary service of the diverted-to user.	
	User 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 correctly delivered to the called user C.		
	Ensure that in the call delivered state	te (N4) the transfer of tone on the B-channel is	
	performed correctly if tones/announ	cement 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	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_service	s/CFB
PLMN selection	User A is provided with CLIR and C	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 for	orwarding subscriber"= No)
	User C is provided with COLR and	CLIP.
Test purpose:	User C is provided with COLR and CLIP. 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 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 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.	
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 C	OLP.		
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"=Yes, "notification to forwarding subscriber"=Yes).			
	User C is provided with CLIP.			
Test purpose:		B, if unanswered, the call is forwarded to user C.		
	User A is notified of call diversion w			
		cation]) message, and the presentation of the		
	diverted-to number is allowed accor	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[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		
	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:				

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 C	OLP.		
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"= No "notification to forwarding subscriber"= No)			
	User C is provided with COLR and	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 not notified of call diversion and 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 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.			
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"=Yes).	
	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 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 is notified of call diversion. User C 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: ! 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"=No).		
	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. User A is not notified of call diversion and 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 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.		
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:			

GGxxSICUG_CFU 02	PLMN ref. to: 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/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 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 provide	ed 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_services/CFB_0	CW	
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 ("calling user is notified of call		
criteria term.:	diversion"= Yes ;) and CW.		
Test purpose:	Ensure that when user A calls busy user B, User A is notified with a FACILITY (Invoke= user C is notified with a FACILITY IE (Invok diversion.	:NotifySS[CFB, SS-Notification]) message,	
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/CFB_CW		
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 ("calling user is notified of call		
criteria term.:	diversion"=No) and CW.		
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. User C 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

GGPPCS_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:	

GGPPCS_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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter	GSM-TS=Short Message MT - PP	
values term.:		
Comments:	The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, theSSsends a CM SERVICE ACCEPT message. TheSSresponds 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, theSSsends a SM to MS A. MT The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSSauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, 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 MS B 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).	

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 values origin.:	GSM-TS=Short Message MO - PP
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 the SS and 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, theSSsends a CM SERVICE ACCEPT message. TheSSresponds 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 Ssends 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. The SS sends 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).

GGPPCS_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 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)	
		imultaneously receiving a network originated SM
	whilst sending a mobile originated	
	Verify also the ability that MS B car	
PLMN parameter	GSM-TS=Short Message MO - PP	receive and decode the olvio.
values origin.:	Com 13-bilottiviessage WO - 11	
PLMN parameter	GSM-TS=Short Message MT - PP	
values term.:		
Comments:	MO	
	The MS A shall be in MM-state "Idle	e, updated".
	A data or speech call is established	I with theSSand the state N04 of call control is
	entered.	
		o the SS. After the reception of the CM SERVICE
		RVICE ACCEPT message. The SSresponds 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.	
		o undated"
	The MS B shall be in MM-state "Idle	e, updated . I on a DTCH with theSSand the state N04 of call
		CP-DATA message. The information element of the
		TA RPDU(SMS DELIVER TPDU). The Ssends a
		th no further CP-DATA messages and theSSinitiates
	RRC Connection release.	aria tarator or bittit moodagoo and moodimidates
		ssage is used the Maximum length (characters).
	i i i i i i i i i i i i i i i i i i i	g- : ::- ::

GG PP CS 06	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 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	GSM-TS=Short Message MO - PP	
values origin.:		
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 Idle state .	
	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 Idle state . 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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
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).	

GGPPCS_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).	

GG PP CS 11	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. 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.
PLMN parameter	GSM-TS=Short Message MO - PP
values origin.:	
PLMN parameter	GSM-TS=Short Message MT - PP
values term.:	
Comments:	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. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.	
PLMN parameter 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.	

7.5.3.1.2 Short message service point to point on PS mode

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 the MS's are in the Idle state. 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 values origin.:	GSM-TS=Short Message MO - PP		
PLMN parameter 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. 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:	For the mobile originated short message is used the Maximum length (characters).		

GGPP_PS_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. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM 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:	For the mobile originated short message is used the Maximum length (characters).		

GGPPPS_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:	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).		

GG PP PS 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		
V1.1.2	September 2002	Publication		