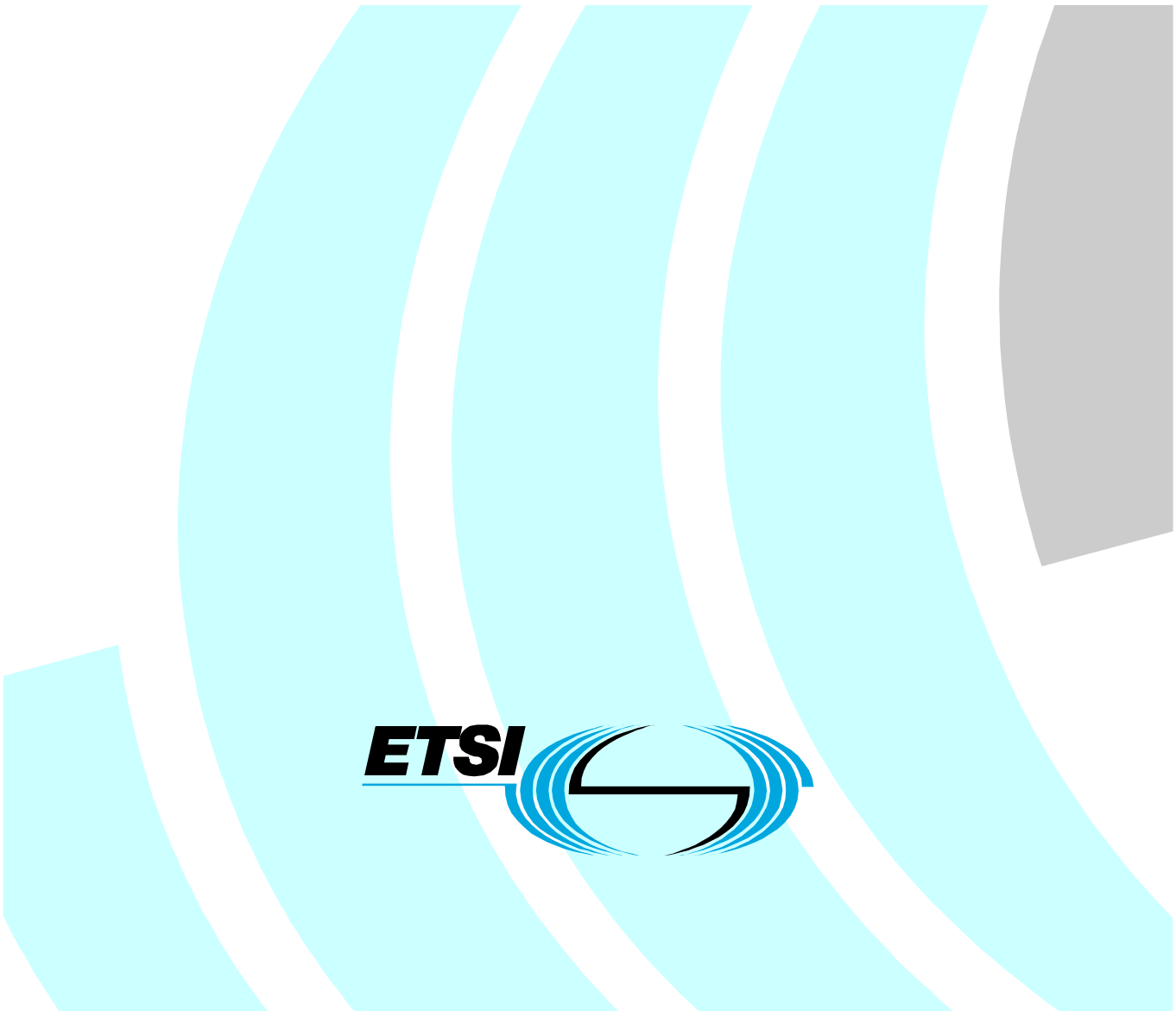
ETSI TS 102 113-1 V1.1.2 (2002-09)

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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Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Contents

Intellectual Property Rights 5
Foreword 5
Introduction 5
1 Scope 6
2 References 6
3 Definitions and abbreviations 12
3.1 Definitions 12
3.2 Definitions related to test purpose descriptions 13
3.3 Abbreviations 15
4 Void 16
5 Numbering Scheme 17
5.1 Examples 18
6 Test Suite Structure (TSS) 19
6.1 ISDN-GSM 19
6.1.1 Support of circuit-switched call control services 19
6.2 PSTN-GSM 20
6.2.1 Support of circuit-switched call control services 20
6.3 GSM (Phase 2+) - ISDN 21
6.3.1 Support of circuit-switched call control services 21
6.4 GSM (Phase 2+) - PSTN 23
6.4.1 Support of circuit-switched call control services 23
6.5 GSM - GSM (Phase 2+) 24
6.5.1 Support of circuit-switched call control services 24
6.5.2 Support of packet services 24
7 Test purposes 25
7.1 Test purposes for ISDN to GSM 25
7.1.1 Test purposes for ISDN to GSM, Basic call 25
7.1.1.1 Successful 25
7.1.1.2 Unsuccessful 44
7.1.2 Test purposes for ISDN to GSM Supplementary services 67
7.2 Test purposes for PSTN to GSM 164
7.2.1 Test purposes for PSTN to GSM, Basic call 164
7.2.1.1 Successful 164
7.2.1.2 Unsuccessful 167
7.2.2 Test purposes for PSTN to GSM, Supplementary_services 170
7.3 Test purposes for GSM-ISDN, Basic call 176
7.3.1 Test purposes for GSM-ISDN, Basic call 176
7.3.1.1 Successfull 176
7.3.1.2 Unsuccessfull 202
7.3.2 Test purposes for GSM-ISDN Supplementary services 214
7.4 Test purposes for GSM-PSTN 312
7.4.1 Test purposes for GSM-PSTN, Basic call 312
7.4.1.1 Successful 312
7.4.1.2 Unsuccessful 326
7.4.2 Test purposes for GSM-PSTN, Supplementary Services 332
7.5 Test purposes for GSM-GSM 349
7.5.1 Test purposes for GSM-GSM, Basic call 349
7.5.1.1 Successful 350
7.5.1.2 Unsuccessful 388
7.5.2 Test purposes for GSM-GSM Supplementary services 405
7.5.3 Support of packet services 455

7.5.3.1 Support of packet services, Short message service 455
7.5.3.1.1 Short message service point to point on CS mode....455
7.5.3.1.2 Short message service point to point on PS mode....461
7.5.3.1.3 Short message service cell broadcast....462

Annex A (informative): Bibliography....464

History....465

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Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

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".

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

[28] ETSI EN 300 289: "Business TeleCommunications (BTC); 64 kbit/s digital unrestricted leased line with octet integrity (D64U); Connection characteristics".

[29] ETSI TBR 008: "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice; Attachment requirements for handset terminals".

[30] ETSI ETR 193: "Methods for Testing and Specification (MTS); Network Integration Testing (NIT); Methodology aspects; Test Co-ordination Procedure (TCP) style guide".

[31] ITU-T Recommendation G.821 "Error performance of an international digital connection operating at a bit rate below the primary rate and forming part of an Integrated Services Digital Network" (White Book draft 1993).

[32] ITU-T Recommendation G.822 (1988): "Controlled slip rate objectives of an international digital connection".

[33] ITU-T Recommendation O.152 (1988): "Error performance measuring equipment for 64 kbit/s paths".

[34] ITU-T Recommendation I.112 (1988): "Vocabulary and terms for ISDNs".

[35] ITU-T Recommendation I.210 (1988): "Principles of the telecommunication services supported by an ISDN and the means to describe them".

[36] ITU-T Recommendation I.411 (1988): "ISDN user-network interfaces - Reference configurations".

[37] ITU-T Recommendation E.164 (1988): "Numbering plan for the ISDN era".

[38] ISO/IEC 9646-1: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 1: General Concepts".

[39] ISO/IEC 9646-2: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 2: Abstract Test Suite Specification".

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

[41] ETSI ETR 350: "Digital cellular telecommunications system (Phase 2+) (GSM); Abbreviations and acronyms (GSM 01.04 version 5.0.1)".

[42] ETSI TS 100 500: "Digital cellular telecommunications system (Phase 2+); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01 version 8.2.1 Release 1999)".

[43] ETSI EN 300 904: "Digital cellular telecommunications system (Phase 2+) (GSM); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02 version 7.0.2 Release 1998)".

[44] ETSI TS 100 905: "Digital cellular telecommunications system (Phase 2+) (GSM); Teleservices supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.03 version 7.0.0 Release 1998)".

[45] ETSI EN 300 918: "Digital cellular telecommunications system (Phase 2+) (GSM); General on supplementary services (GSM 02.04 version 7.1.2 Release 1998)".

[46] ETSI TS 100 907: "Digital cellular telecommunications system (Phase 2+); Man-machine Interface (MMI) of the Mobile Station (MS) (3GPP TS 02.30 version 7.1.1 Release 1998)".

[47] ETSI TS 100 514: "Digital cellular telecommunications system (Phase 2+) (GSM); 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)".

[74] ETSI TS 100 976: "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 7.2.0 Release 1998)".

[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)".

[76] ETSI ETS 300 606: "Digital cellular telecommunications system (Phase 2) (GSM); Signalling interworking for supplementary services (GSM 09.11)".

[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".

[91] ETSI TS 100 542: "Digital cellular telecommunications system (Phase 2+) (GSM); Line identification supplementary services; Stage 2 (GSM 03.81 version 7.0.1 Release 1998)".

[92] ETSI EN 300 092-1/A2: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[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 Q.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 outgoing	CBSo
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

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

PLMN ref. to:	C - Plane / U- Plane Basic_Call			
		Successful	Speech	IG___SP__xx
			3,1 kHz audio	IG___AU__xx
			UDI	IG___UD__xx
			HSCSD - 3,1 kHz audio	IG___HA__xx
			HSCSD - UDI	IG___HU__xx
		Unsuccessful	Speech	IG___SP_Uxx
			3,1 kHz audio	IG___AU_Uxx
			UDI	IG___UD_Uxx
			UDI -TA	IG___UT_Uxx
	C - Plane Supplementary Services		CLIP	IG___xxSSCLIP xx
			CLIR	IG___xxSSCLIR xx
			COLP	IG___xxSSCOLP xx
			COLR	IG___xxSSCOLR xx
			CUG	IG___xxSSCUG xx
			SUB	IG___xxSSSUB xx
			CFU	IGI__xxSSCFUxx
				IGG__xxSSCFUxx
				IGGGG xxSSCFUxx
				IGP__xxSSCFUxx
				IGU__xxSSCFUxx
			CFB	IGI__xxSSCFB xx
				IGG__xxSSCFB xx
				IGP__xxSSCFB xx
				IGU__xxSSCFB xx
			CFNRy	IGI__xxSSCFNRy xx
				IGG__xxSSCFNRy xx
				IGP__xxSSCFNRy xx
				IGU__xxSSCFNRy xx
			CFNRc	IGI__xxSSCFNRc xx
				IGG__xxSSCFNRc xx
				IGP__xxSSCFNRc xx
				IGU__xxSSCFNRc xx
			HOLD	IG___xxSSHOLD xx
			CW	IG___xxSSCW xx
			UUS implicit	IG___xxSSUUSi xx
			UUS 1i	IG___xxSSUUS1i xx
			UUS 1e	IG___xxSSUUS1e xx
			UUS 2	IG___xxSSUUS2 xx
			UUS 3	IG___xxSSUUS3 xx
			ECT	IGI__xxSNECT xx
			CCBS	IG___xxSNCCBS xx
			Interactions	
			CFU_CLI_COL	IGI__xxSICFU_CLI_COL xx
				IGG__xxSICFU_CLI_COL xx
				IGU__xxSICFU_CLI_COL xx
			CFB_CLI_COL	IGI__xxSICFB_CLI_COL xx
				IGG__xxSICFB_CLI_COL xx
				IGU__xxSICFB_CLI_COL xx
			CFNRy_CLI_COL	IGI__xxSI CFNRy_CLI_COL xx
				IGG__xxSI CFNRy_CLI_COL xx
				IGU__xxSI CFNRy_CLI_COL xx

CFNRc_CLI_COL	IGI__xxSICFNRy_CLI_COL xx
	IGG__xxSICFNRy_CLI_COL xx
	IGU__xxSICFNRy_CLI_COL xx
CUG_CFU	IGI__xxSICUG_CFU xx
CFB_CW	IGI__xxSICFB_CW xx
CLIP_SUB	IG___xxSICLIP_SUB xx
non-symmetrical tests	
TP	IG___xxSNTP xx
CONF	IGI__xxSNCONF xx
	IGG__xxSNCONF xx
3PTY	IGI__xxSN3PTY xx
	IGG__xxSN3PTY xx
Call Barring services	IG___xxSNCBS xx
CCNR	IG___xxSNCCNR xx
AoC	IG___xxSNAoC xx
MPTY	IG___xxSNMPTY xx

6.2 PSTN-GSM

6.2.1 Support of circuit-switched call control services

PSTN-GSM	**C - Plane / U- Plane Basic_Call**	**Successful**		PG___AU__xx
		Unsuccessful		PG___AU__xx
	C - Plane Supplementary Services		CLIP	PG___AUSSCLIPxx
			CLIR	PG___AUSSCLIRxx
			CUG	PG___AUSSCUGxx
			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	PG___AUSSCBSxx
			MPTY	PG___AUSSMTPYxx

6.3 GSM (Phase 2+) - ISDN

6.3.1 Support of circuit-switched call control services

GSM - ISDN	C - Plane / U- Plane Basic_Call			
		Successful	Speech	GI___SP__xx
			3,1 kHz audio exPLMN	GI___AU__xx
			UDI	GI___du__xx
			Facsimile G3	GI___FX__xx
			Alternate speech and facsimile group 3	GI___AF__xx
			Alternate Speech/Data	GI___AF__xx
			Speech followed by data	GI___AD__xx
			Emergency Calls	GI___EC__xx
			HSCSD	
			HSCSD - 3,1 kHz audio	GI___HA__xx
			HSCSD - UDI	GI___HU__xx
		Unsuccessful	Speech	GI___SP_Uxx
			3,1 kHz audio ex PLMN	GI___AU_Uxx
			UDI	GI___du_Uxx
			Facsimile G3	GI___FX_Uxx
			Alternate speech and facsimile group 3	GI___AF_Uxx
			Emergency Calls	GI___EC_Uxx
	C - Plane Supplementary Services		CLIP	GI___xxSSCLIP xx
			CLIR	GI___xxSSCLIR xx
			COLP	GI___xxSSCOLP xx
			COLR	GI___xxSSCOLR xx
			CUG	GI___xxSSCUG xx
			SUB	GI___xxSSSUB xx
			CFU	GIG__xxSSCFUxx
				GII__xxSSCFUxx
				GIP__xxSSCFUxx
				GIU__xxSSCFUxx
			CFB	GIG___xxSSCFB xx
				GII__xxSSCFUxx
				GIP__xxSSCFUxx
				GIU__xxSSCFUxx
			CFNR	GIG___xxSSCFNR xx
				GII__xxSSCFUxx
				GIP__xxSSCFUxx
				GIU__xxSSCFUxx
			HOLD	GI___xxSSHOLD xx
			CW	GI___xxSSCW xx
			UUS 1i	GI___xxSSUUS1i xx
			UUS 1e	GI___xxSSUUS1e xx
			UUS 2	GI___xxSSUUS2 xx
			UUS 3	GI___xxSSUUS3 xx
			ECT	GIG__xxSNECT xx
			CCBS	IG___xxSNCCBS xx

Interactions	
CFU_CLIP_COLP	GIG__xxSICFU_CLIP_COLP xx
CFB_CLIP_COLP	GIG___xxSICFB_CLIP_COLP xx
CFNR_CLIP_COLP	GIG___xxSICFNR_CLIP_COLP xx
CFU_CLIP_COLP	GII__xxSICFU_CLIP_COLP xx
CFB_CLIP_COLP	GII___xxSICFB_CLIP_COLP xx
CFNR_CLIP_COLP	GII___xxSICFNR_CLIP_COLP xx
non-symmetrical tests	
TP	GI___xx SNTP xx
MPTY	GI___xxSNMPTYxx
CD	GI___xxSNCD xx
Call Barring services	GI___xxSNCBS xx
CONF	GIG__xxSNCONF xx
	GII__xxSNCONF xx
3PTY	GIG__xxSN3PTY xx
	GII___xxSN3PTY xx

6.4 GSM (Phase 2+) - PSTN

6.4.1 Support of circuit-switched call control services

GSM-PSTN	C - Plane / U- Plane Basic_Call			
		Successful	Speech	GP___SP__xx
			3,1 kHz audio ex PLMN	GP___AU__xx
			Facsimile G3	GP___FX__xx
			Alternate speech and facsimile group 3	GP___AF__xx
			Emergency Calls	GP___EC__xx
			HSCSD	
			HSCSD - 3,1 kHz audio	GP___HA__xx
		Unsuccessful	Speech	GP___SP_Uxx
			3,1 kHz audio	GP___AU_Uxx
			UDI	GP___UD_Uxx
			Facsimile G3	GP___FX_Uxx
			Alternate speech and facsimile group 3	GP___AF_Uxx
			Emergency Calls	GP___EC_Uxx
	C-Plane Supplementary Services			
			CLIP	GP___xxSSCLIP xx
			CLIR	GP___xxSSCLIR xx
			COLR	GP___xxSSCOLR xx
			CUG	GP___xxSSCUG xx
			CFU	GPG__xxSSCFUxx
				GPP__xxSSCFUxx
				GPI__xxSSCFUxx
				GPU__xxSSCFUxx
			CFB	GPG__xxSSCFB xx
				GPP__xxSSCFB xx
				GPI__xxSSCFB xx
				GPU__xxSSCFNR xx
			CFNR	GPG__xxSSCFNR xx
				GPP__xxSSCFNRxx
				GPI__xxSSCFNR xx
				GPU__xxSSCFNR xx
			CCBS	GP___xxSSCCBS xx
			non-symmetrical tests	
			MPTY	GP___xxSNMPTY xx
			Call barring services	GP___xxSNCBS xx

6.5 GSM - GSM (Phase 2+)

6.5.1 Support of circuit-switched call control services

GSM - GSM	C - Plane / U-Plane Basic_Call	Successful		
			Speech	GG___SP__xx
			3,1 kHz audio ex PLMN	GG___AU__xx
			UDI	GG___UD__xx
			Facsimile G3	GG___FX__xx
			Alternate speech and facsimile group 3	GG___AF__xx
			Alternate Speech/Data	GG___AD__xx
			Speech followed by data	GG___FD__xx
			HSCSD	
			HSCSD - 3,1 kHz audio	GG___HA__xx
			HSCSD - 3,1 kHz audio	GG___HU__xx
		Unsuccessful	Speech	GG___SP_Uxx
			3,1 kHz audio ex PLMN	GG___AU_Uxx
			UDI	GG___UD_Uxx
			Facsimile G3	GG___FX_Uxx
			Alternate speech and facsimile group 3	GG___AF_Uxx
	Supplementary Services		CLIP	GG___xxSSCLIP xx
			CLIR	GG___xxSSCLIR xx
			COLP	GG___xxSSCOLP xx
			COLR	GG___xxSSCOLR xx
			CUG	GG___xxSSCUG xx
			SUB	GG___xxSSSUB xx
			CFU	GGG__xxSSCFUxx
			CFB	GGG__xxSSCFB xx
			CFNRy	GGG__xxSSCFNRy xx
			CFNRc	GGG__xxSSCFNRc xx
			HOLD	GG___xxSSHOLD xx
			CW	GG___xxSSCW xx
			UUS 1i	GG___xxSSUUS1i xx
			UUS 1e	GG___xxSSUUS1e xx
			UUS 2	GG___xxSSUUS2 xx
			UUS 3	GG___xxSSUUS3 xx
			ECT	GGG__xxSNECT xx
			MPTY	GG___xxSSMPTY xx
			Call Barring Services	GG___xxSSCBS xx
			CCBS	GG___xxSSCCBS xx
			Interactions	
			CFU_CLIP_COLP	GGG__xxSICFU_CLIP_COLP xx
			CFB_CLIP_COLP	GGG___xxSICFB_CLIP_COLP xx
			CFNR_CLIP_COLP	GGG___xxSICFNR_CLIP_COLP xx

6.5.2 Support of packet services

GSM - GSM	Packet Services Control - Plane	Successful		
			SMS-PP	GG___PP __xx
			SMS-CB	GGG__CB__xx

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

IG___SP__01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
GSM selection criteria:	TS 11	
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 values:	BC=speech, no HLC	
GSM parameter values:	GSM-BC=speech, no HLC	
Comments:		

IG___SP__02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
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 values	GSM-BC=speech, no HLC	
Comments:		

IG___SP__03	**ISDN ref. to:** EN 300 403-1 [1], clause 5.3.3	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
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 values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

IG___SP__04	**ISDN ref. To:** EN 300 403-1 [1], clause 5.3.3	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/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:		

IG___SP__05	**ISDN ref. To:** EN 300 403-1 [1], clause 4.5.17 TBR 008 [29], clause 5.1.3 EG 201 018 [83], clause 6.3.1	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74] clause 10.2.2 TS 100 913 [67], clause B.2.8
TSSreference:	ISDN-GSM/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, HLC=telephony	
PLMN parameter values	GSM-BC=speech, HLC=telephony	
Comments:		

Successful

3,1 kHz audio

IG___AU__01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
GSM 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 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 values:	BC=3,1 kHz audio, no HLC	
GSM parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___AU__02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clauses 9.2.2 and 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, 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 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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values		
Comments:	The call set-up to the mobile will not contain a GSM-BC element.	

IG___AU__03	**ISDN ref. To:** EN 300 403-1 [1], clause 5.1.5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 EN 300 899-1 [87], clause 2.1.1.7, table 19
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection 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.	

IG___AU__04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.2	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the **called user** clears after answer 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:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element.	

IG___AU__05	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.6	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS.	
ISDN parameter values:	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
PLMN parameter values:	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR and the progress value #3 "origination address is non ISDN". The progress indicator information element is transported in the Access Transport parameter of the initial address message (IAM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

IG___AU__06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.6	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, progress value #3 "origination address is non ISDN".	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, LLC=3,1 kHz audio, voice band data via modem, progress value #3 "origination address is non ISDN".	
Comments:		

IG___AU__07	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN Parameter values	first GSM-BC=speech second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

IG___AU__08	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2, 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 criteria:	Telefax G3 terminals	
PLMN selection criteria	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. 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, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

IG___AU__09	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN Parameter values	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

IG___AU__10	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.5	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	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 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. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE fix network user rate: G_USER_RATE	
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.	

IG___AU__11	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.18	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
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 values:	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

IG___AU__12	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.18	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	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.	
ISDN parameter values:	BC=LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
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.	

Values for test purposes IG___AU__10; IG___AU__11; IG___AU__12	
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

IG___AU__13	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Multi-numbering Scheme	
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 values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem ACCESS_RATE (PIXIT)	
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:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria:	UDI, Multi-numbering Scheme	
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 values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD__02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/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 values:	BC=UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element.	

IG___UD__03	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi-numbering Scheme	
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 values:	BC=UDI, no HLC	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD__04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element.	

IG___UD__05	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.5	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.2
TSSreference:	ISDN-GSM/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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 values:	BC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE fix network user rate: G_USER_RATE	
Comments:		

IG___UD__06	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.18	**PLMN ref. to:** 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 values:	BC=UDI, LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE user rate: G_USER_RATE LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

IG___UD__07	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.18	**PLMN ref. to:** 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, 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 values:	BC=LLC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE user rate: G_USER_RATE LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes IG___UD__05; IG___UD__06; IG___UD__07	
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

IG___HA__01	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59] 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 values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
GSM parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE fix network user rate: FNU_RATE	
Comments:		

IG___HA__02	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2
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 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 values:	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
GSM parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE fix network user rate: FNU_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose IG___HA__01 and IG___HA__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 FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

Successful
HSCSD - UDI

IG___HU__01	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2
TSSreference:	ISDN-GSM/Basic_call/Successful/HSCSD-UDI	
ISDN selection criteria:	Bearer service UDI	
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 values:	BC=information transfer capability:UDI, rate adaption: V.110/X.30 synchronous/asynchronous mode: MODE, user rate: USER_RATE	
GSM parameter values:	GSM-BC=information transfer capability:UDI rate adaption: V.110/X.30 synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

IG___HU__02	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2
TSSreference:	ISDN-GSM/Basic_call/Successful/HSCSD-UDI	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria:	HSCSD, UDI	
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 IG___HU__01, IG___HU__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 FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

7.1.1.2 Unsuccessful

Unsuccessful Speech

IG___SP_U01	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.4 and 5.3, annex M	**PLMN ref. to:** EN 300 940 [59] TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
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.	

IG___SP_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
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 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.	

IG___SP_U03	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	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=speech	
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.	

IG___SP_U04	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech/	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___SP_U05	**ISDN ref. to:** ETS 300 102-1, clause 5.2.5.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.7 TS 100 974 [72], clauses 18.2 and 18.3.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #20.	

IG___SP_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.	

IG___SP_U07	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.9 and 5.3.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the 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 values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IG___SP_U08	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech/	
ISDN selection criteria:	Speech	
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.	

IG___SP_U09	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses B.3.2 and H.5.3
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech/	
ISDN selection criteria:	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.	

IG___SP_U10	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
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 values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

IG___SP_U11	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6 ETS 300 511, clause 4.4.2.3
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful
3,1 kHz audio

IG___AU_U01	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.4 and 5.3, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio/	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1. In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see ITU-T Recommendation Q.764 [82] clause 2.2). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
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 values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U03	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
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, 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.	

IG___AU_U04	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U05	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/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 busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4, annex M	**PLMN ref. to:** EN 300 646-1 [96] TS 100 974 [72], clauses 18.2 and 18.3.2 EN 300 940 [59], clause H.1.7
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	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 #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=3,1 kHz audio	
PLMN parameter values:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #20.	

IG___AU_U07	**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/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U08	**ISDN ref. to:** 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/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted) (single-numbering scheme), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U09	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.9 and 5.3.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
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 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 values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U10	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.9 and 5.3.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
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:	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.	

IG___AU_U11	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 - "Invalid number format (incomplete number").	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_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/Unsuccessful/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:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U13	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
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, TS 11	
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 values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:		

IG___AU_U14	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
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 values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

IG___AU_U15	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** EN 300 940 [59],clause H.1.6
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, TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

IG___AU_U16	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy"). The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IG___AU_U17	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H 1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem with modem type V.26	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
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 values:	BC=3,1 kHz audio, voice band data via modem, modem type V.26, no LLC.	
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. NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___AU_U18	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem with modem type V.26	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
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 values:	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, modem type V.26	
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.	

Unsuccessful UDI

IG___UD_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59]
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
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 values:	BC=UDI	
GSM parameter values:		
Comments:		

IG___UD_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
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 values:	BC=UDI	
PLMN parameter values:		
Comments:		

IG___UD_U03	**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.1.6
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
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=UDI	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD_U04	**ISDN ref. to:** 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.1.6
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UD	
PLMN parameter values:		
Comments:		

IG___UD_U05	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** TS 100 974 [72], clauses 18.2 and 18.3.2 EN 300 940 [59], clause H.1.7
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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 #SS"Subscriber absent".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:	NOTE: At the PLMN side cause value #18 is "absent subscriber". At the ISDN side cause value #18 is "no user responding".	

IG___UD_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, 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=UDI	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD_U07	**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.1.9
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	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=UDI	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD_U08	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.1 TS 100 974 [72], clause 18.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
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=UDI	
PLMN parameter values:		
Comments:		

IG___UD_U09	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.2	**PLMN ref. to:** EN 300 940 [59], clause B.3.2
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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=LLC=UDI, V.110/X.30	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD_U10	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
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 values:	BC=UDI	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IG___UD_U11	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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".	

IG___UD_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:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_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.	

IG___UD_U14	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**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 processable mode.	
ISDN parameter values:	BC=UDI, HLC=teletex basic and processable 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.	

IG___UD_U15	**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 mode.	
ISDN parameter values:	BC=UDI, HLC=teletex basic 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.	

IG___UD_U16	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17 ETS 300 080 [5], clause 4.5.2.1	**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=international videotex interworking.	
ISDN parameter values:	BC=UDI, HLC=international videotex interworking, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_U17	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IG___UD_U18	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17 ETS 300 080 [5], clause 4.5.2.1	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC=UDI and the HLC=message handling system.	
ISDN parameter values:	BC=UDI, HLC=message handling system, no LLC	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=message handling system,	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IG___UD_U19	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17 ETS 300 080 [5], clause 4.5.2.1	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC=UDI and the HLC=OSI application.	
ISDN parameter values:	BC=UDI, HLC=OSI application, no LLC	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, HLC=OSI application	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IG___UD_U20	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17 EN 300 267-1 [4], clause 7	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC=UDI and the HLC=videotelephony_ic.	
ISDN parameter 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".	

IG___UD_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.	

IG___UD_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.	

IG___UD_U23	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.5	**PLMN ref. to:** EN 300 940 [59], annex H TS 100 976 [74], table 6B-09.07 General notes 1
TSSreference:	ISDN-GSM/Basic_call/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:		

IG___UD_U24	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.19 ETS 300 103 [6], annex I ETR 018, 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, asynchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC=UDI, LLC=V.110/X.30, asynchronous 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.	

G___UD_U25	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 4.5.19	**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 56 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_U26	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.17 and 4.5.19 EG 201 018 [83], clause 7.1.3	**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, LLC=telematic_term and the HLC=syntax-based videotex.	
ISDN parameter values:	BC=UDI, HLC=syntax-based videotex, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_U27	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.17 and 4.5.19, EG 201 018 [83], clause 6.3.7	**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/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=FTAM.	
ISDN parameter values:	BC=UDI, HLC=FTAM, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_U28	**ISDN ref. to:** 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/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" #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:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IG___UD_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.1.6
TSSreference:	ISDN-GSM/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	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 values:	BC=UDI	
PLMN parameter values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful UDI -TA

IG___UT_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.5.1	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74], clause 10.2.2
TSSreference:	ISDN-GSM/Basic_call/Unsuccessful/UDI -TA	
ISDN selection criteria:	Bearer service UDI /TA	
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 values:	BC=UD /TA, no HLC	
GSM parameter values:		
Comments:		

7.1.2 Test purposes for ISDN to GSM Supplementary services

Supplementary services
Symmetrical Tests

IG___xxSSCLIP01	**ISDN ref. to:** EN 300 092-1 [7], clause 9.3 EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	**PLMN ref. to:** EN 300 940 [59] EN 300 951 [62]
TSSreference:	ISDN-GSM/Supplementary_services/CLIP	
ISDN selection criteria:	CLIP	
GSM selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is set to: TON_ID, the Calling party number information element is correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID Calling party number: PI=PA SI=UPVP, TON=TON_ID	
GSM parameter values:	GSM-BC=G_ITC, Calling party number: PI=PA, SI=UPVP, TON=national / international number NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106])	
Comments:		

Values for test purpose: ***IG___xxSSCLIP01***	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IG___xxSSCLIP02	**ISDN ref. to:** EN 300 092-1 [7], clause 9.3 EN 300 403-1 [1], clause 4.5.10	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIP	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when no Calling party number information element is provided by the calling user, (and no Calling party subaddress), the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PA, SI=NP, TON=national / international, NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106])	
Comments:		

IG___xxSSCLIR01	**ISDN ref. to:** EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when 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 values:	BC=I_BC_ID Calling party number: PI=PA, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IG___xxSSCLIR02	**ISDN ref. to:** EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user, the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IG___xxSSCOLP01	**ISDN ref. to** EN 300 097-1 [9], clause 9.5.1	**PLMN ref. to:** EN 300 951 [62], clause 3 TS 100 542 [91], clause 3
TSSreference:	ISDN-GSM/Supplementary_services/COLP	
ISDN selection criteria:	Calling user is provided with COLP	
PLMN selection criteria:	COLP	
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:	BC=I_BC_ID 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 values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCOLR01	**ISDN ref. to:** EN 300 098-1 [10], clauses 9.3.1 and 9.4.1 EN 300 092-1/A2 [92], figure 4	**PLMN ref. to:** EN 300 951 [62], clause 4 TS 100 542 [91], clause 4
TSSreference:	ISDN-GSM/Supplementary_services/COLR	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLR	
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 values:	BC=I_BC_ID Connected number : PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCUG01	**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:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	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 a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
Comments:		

IG___xxSSCUG02	**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 criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
Comments:		

IG___xxSSCUG03	**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 criteria:	The called user belongs to the **same** CUG with the following CUG supplementary 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG04	**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 criteria:	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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index **not** included	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCUG05	**ISDN ref. to:** EN 300 138-1 [11], clause 9.2.2	**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 criteria:	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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG06	**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_services/CUG	
ISDN selection criteria:	Calling user is **not member** of CUG	
PLMN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: **not IA; 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSSCUG07	**ISDN ref. to:** EN 300 138-1 [11], clause 9.2.2	**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: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG08	**ISDN ref. to:** EN 300 138-1 [11], clause 9.2.2	**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 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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG09	**ISDN ref. to:** EN 300 138-1 [11], clause 9.2.2	**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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG10	**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 criteria:	The called user belongs to the **same** CUG with the following CUG supplementary 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

IG___xxSSCUG11	**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:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**	
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 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 values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUGIndex))	
Comments:		

IG___xxSSSUB01	**ISDN ref. to:** EN 300 061-1 [12], clause 9.2 EN 300 403-1 [1], clause 4.5.9	**PLMN ref. to:** ETS 300 577 [93], clause 10.5.4.8
TSSreference:	ISDN-GSM/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provided with SUB	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSSSUB02	**ISDN ref. to:** EN 300 061-1 [12], clause 9.2 EN 300 403-1 [1], clause 4.5.9	**PLMN ref. to:** ETS 300 577 [93], clause 10.5.4.8
TSSreference:	ISDN-GSM/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length=minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IGI__xxSSCFU01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. 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-channel is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGI__xxSSCFU02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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__xxSSCFU01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. User **C** receives a SETUP message with the NotifySSoperation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	***CFUactive*** 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.	

IGGGGxxSSCFU02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. User **C** receives a SETUP message with the NotifySSoperation that the incoming call is a forwarded call. The reason for forwarding given to the forwarded -to subscriber should relate to the last forwarding subscriber in the chain. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	***CFUactive*** 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.	

IGG__xxSSCFU03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive 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.	

IGP__xxSSCFU01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. Ensure that in the call delivered state (N4) the transfer of tone 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 values:	BC=I_BC_ID	
PLMN parameter values:	**CFUactive**	
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.	

IGP__xxSSCFU02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data or data transfer is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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.	

IGU__xxSSCFU01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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. 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:	***CFUactive*** 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.	

IGU__xxSSCFU02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive 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:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], (MSC acts like a diverting 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__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**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 C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes;** "notification to forwarding subscriber"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 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__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**No**; "notification to forwarding subscriber"=**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 information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 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__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. 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:	CFBUDUB 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 the EN 300 646-1 [96], (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__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**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 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:	CFBUDUB 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.	

IGG__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes;** "notification to forwarding subscriber"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the 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:	CFBNDUB 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 the 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__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**No**; "notification to forwarding subscriber"=**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 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:	CFBNDUB 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 the 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__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the 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 call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], (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__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**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. Ensure that in the call delivered state (N4) the transfer of tone on the 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 an 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 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__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes;** "notification to forwarding subscriber"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the 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: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 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__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**No**; "notification to forwarding subscriber"=**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. Ensure that in the call delivered state (N4) the transfer of tone on the 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: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 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__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. 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:	CFBUDUB 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 the EN 300 646-1 [96], (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__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**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 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:	CFBUDUB 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__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes;** "notification to forwarding subscriber"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the 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:	CFBNDUB 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 the 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__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion"=**No**; "notification to forwarding subscriber"=**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 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:	CFBNDUB 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 the 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___xxSSCFNRy01	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**) (see note)	
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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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__xxSSCFNRy02	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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___xxSSCFNRy01	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**) (see note)	
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.	

IGG__xxSSCFNRy02	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values:	CFNRy active **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.	

IGP___xxSSCFNRy01	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**) (see note)	
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. Ensure that in the call delivered state (N4) the transfer of tone on the 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.	

IGP__xxSSCFNRy02	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values:	**A: !** BC=I_BC_ID	
PLMN parameter values:	CFNRy active **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.	

IGU___xxSSCFNRy01	**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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**) (see note)	
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:** 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/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values:	CFNRy active **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:** 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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
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 values:	**A: !** BC=I_BC_ID **C: ?** 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 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__xxSSCFNRc02	**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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values:	**A: !** BC=I_BC_ID **C: ?** 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 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:** 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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
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 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.	

IGG__xxSSCFNRc02	**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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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:** 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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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 EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IGP__xxSSCFNRc02	**ISDN ref. to:** 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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 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 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:** 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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
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 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.	

IGU__xxSSCFNRc02	**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/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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.	

IG___xxSSHOLD01	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSHOLD02	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSHOLD03	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non -served user during the held state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSHOLD04	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSHOLD05	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSHOLD06	**ISDN ref. to:** EN 300 141-1 [21], clause 7 EN 300 196-1 [27], clause 7.1	**PLMN ref. to:** EN 300 953 [64], clause 2 TS 100 544 [56], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCW01	**ISDN ref. to:** EN 300 058-1 [22], clause 7 EN 300 403-1 [1], clause 4.5.2.1	**PLMN ref. to:** EN 300 953 [64], clause 1 TS 100 544 [56], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CW	
ISDN selection criteria:	CW	
PLMN selection criteria:	The called user is provided with CW	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCW02	**ISDN ref. to:** EN 300 058-1 [22], clause 7 EN 300 403-1 [1], clause 4.5.2.1	**PLMN ref. to:** EN 300 953 [64], clause 1 TS 100 544 [56], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CW	
ISDN selection criteria:	CW	
PLMN selection criteria:	The called user is provided with CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1i01	**ISDN ref. to:** EN 300 286-1 [14], clauses 9.1.1.1 and 9.1.2.1 EN 300 403-1 [1], clause 4.5.30	**PLMN ref. to:** EN 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria	UUS1i	
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 values:	BC=I_BC_ID, UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

IG___xxSSUUS1i02	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.2.1 EN 300 403-1 [1], clause 4.5.30	**PLMN ref. to:** EN 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UUS1	
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 the ALERTING message sent from the called user 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:		

IG___xxSSUUS1i03	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.2.1 EN 300 403-1 [1], clause 4.5.30	**PLMN ref. to:** EN 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UUS1	
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 the CONNECT message sent from the called user 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:		

IG___xxSSUUS1i04	**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/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request	
PLMN selection criteria:	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC=I_BC_ID, UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

IG___xxSSUUS1i05	**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/UUS1	
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:		

IG___xxSSUUS1i06	**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 300 940 [59], clause 10.5.4.25
TSSreference:	ISDN-GSM/Supplementary_services/UUS1i	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria:	UUS1i	
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 values:	BC=I_BC_ID, UI length=32	
PLMN parameter values:	GSM-BC=G_BC_ID, UI length=32	
Comments:	.	

IG___xxSSUUS1e01	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.1.2.1 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/UUS1e	
ISDN selection criteria:	UUS1 e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e02	**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/UUS1e	
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 "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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e03	**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/UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e04	**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 TS 124 087 [97], clause 4.1.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Destination **network** rejects **explicit** the UUS1 request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination **network** rejects **explicit** the UUS1 request without disrupting normal call handling. The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	If the network already has or has obtained the knowledge that the network itself or the called user cannot support service 1 and it was explicitly requested as non-essential, a "service 1 not provided" indication is returned in the user-to-user indicators parameter in the address complete, call progress, answer, connect, or release messages.	

IG___xxSSUUS1e05	**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 TS 124 087 [97]
TSSreference:	ISDN-GSM/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e06	**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 TS 124 087 [97]
TSSreference:	ISDN-GSM/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e07	**ISDN ref. to:** EN 300 286-1 [14], EN 300 403-1 [1]	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98], clause 4.1.2.1
TSSreference:	ISDN-GSM/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e08	**ISDN ref. to:** EN 300 286-1 [14] EN 300 403-1 [1]	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98], clauses 4.1.2.1, 5.1.1, annex A
TSSreference:	ISDN-GSM/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS1e09	**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/UUS1e	
ISDN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS201	**ISDN ref. to:** EN 300 286-1 [14], clause 9.2.2.1	**PLMN ref. to:** EN 300 646-1 [1], clause 6.1.1.4 TS 124 087 [97], clause 4.2.1.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS202	**ISDN ref. to:** EN 300 286-1 [14], clause 9.2.1.2	**PLMN ref. to:** EN 300 646-1 [1], clause 6.1.1.4 TS 124 087 [97], clause 4.2.1.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS203	**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 TS 124 087 [97], clause 4.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2	
PLMN selection criteria:	UUS is implicit rejected	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS204	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2 e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**required**", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS205	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2 e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS206	**ISDN ref. to:** EN 300 286-1 [14], clause 9.1.1.2.2 EN 300 403-1 [1], clause 7	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98]
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS301	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.1.1 EN 300 403-1 [1], clause 7	**PLMN ref. to:** EN 300 646-1 [96] clause 6.1.1.4 TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS302	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.1.1 EN 300 403-1 [1], clause 7	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	Ensure that after the calling user request UUS3 **during call establishment** indicating "preferred", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, a UUS3 rejection with the Error value "rejected by the user" is included in the CONNECT message sent to the calling user.	
Test purpose:		
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS303	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.1.1 EN 300 403-1 [1], clause 7	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.1
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "required", the network can transport USER INFORMATION messages in both directions during the Active state of the call	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS304	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.2.1 EN 300 403-1 [1], clause 7	**PLMN ref. to:** TS 124 087 [97] TS 123 087 [98]
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
PLMN selection criteria origin.:	UUS3	
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 values origin.:	BC=I_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS305	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.2.1 EN 300 403-1 [1], clause 7	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSUUS306	**ISDN ref. to:** EN 300 286-1 [14], clause 9.3.2.2 EN 300 403-1 [1], clause 7	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.4 TS 124 087 [97], clause 4.3.2
TSSreference:	ISDN-GSM/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the **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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSNECT01	**ISDN ref. to:** EN 300 369-1 [25], clause 9	**PLMN ref. to:** EN 300 940 [59], clause 5.2
TSSreference:	ISDN-GSM/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSNECT02	**ISDN ref. to:** EN 300 369-1 [25], clause 9	**PLMN ref. to:** EN 300 940 [59], clause 5.2
TSSreference:	ISDN-GSM/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSNECT03	**ISDN ref. to:** EN 300 369-1 [25], clause 9	**PLMN ref. to:** EN 300 940 [59], clause 5.2
TSSreference:	ISDN-GSM/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSNECT04	**ISDN ref. to:** EN 300 369-1 [25], clause 9	**PLMN ref. to:** EN 300 940 [59], clause 5.2
TSSreference:	ISDN-GSM/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSSCCBS01	**ISDN ref. to:** EN 300 359-1 [24], clause 9.1.2	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point 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 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 Retention Active state for CCBS, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, sends a FACILITY message containing a Facility information element with a CCBSRequest return result component including the CCBSReference and recallMode. The network N1 in the Null call state N00 and CCBS Activated state in order to indicate that it is prepared for establishment of the requested call, sends a FACILITY message (UI frame) containing a Facility information element with a CCBSRemoteUserFree invoke component including the recallMode, cCBSReference, addressOfB and q931InfoElement. The network in the Null call state N00 and CCBS Free state, on receipt of a SETUP message containing Bearer capability information element(s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, continues en-bloc basic call procedures using the retained call information and moves to call state N01.	

IG___xxSSCCBS02	**ISDN ref. to:** EN 300 359-1 [24], clauses 9.4.3.1 and 9.4.4.1	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING message user A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with an ALERTING message, sends an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N04.	

IG___xxSSCCBS03	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with a CONNECT message, sends a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N10.	

IG___xxSSCCBS04	**ISDN ref. to:** EN 300 359-1 [24], clauses 9.2.1 and 9.4.4.1	**PLMN ref. to:** EN 300 646-1 [1], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and **CCBS Activated state**), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

IG___xSSCCBS05	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point 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 free state** the user can initiate the deactivation procedure.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and **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:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point	
PLMN selection criteria:		
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSSCCBS07	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

IG___xxSSCCBS08	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point The network option "CCBS request 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 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.	

IG___xxSSCCBS09	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point Network option "CCBS request retention" 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 B is proceeding with normal call clearing. User A can activate the CCBS supplementary service again.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a **multipoint configuration exists,** if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT or RELEASE COMPLETE message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed. User A can activate the CCBS supplementary service again.	

IG___xxSSCCBS10	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point Network option "CCBS request 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSSCCBS11	**ISDN ref. to:** EN 300 359-1 [24]	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.14
TSSreference:	ISDN-GSM/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point	
PLMN selection criteria:		
Test purpose:	Ensure that 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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IGI__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1 [17] clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 allowed accordance with the COLR supplementary service of the diverted-to user. User **C** can receive the ***Redirecting number*** 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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.	

IGI__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 ***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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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__xxSICFU_CLI_COL03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 ***Redirecting number*** 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:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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.	

IGG__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1 [17] clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "=**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 values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive	
Comments:		

IGG__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion"=**Yes**) and CLIP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. 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:		

IGG__xxSICFU_CLI_COL03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_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:	The user B is in network N2 provided with CFU("calling user is notified of call 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:	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.	

IGU__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1 [17] clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive	
Comments:		

IGU__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 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:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFUactive	
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__xxSICFB_CLI_COL01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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.	

IGI__xxSICFB_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with **COLR** and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**UDUB** ("calling user is notified of call 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 ***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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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__xxSICFB_CLI_COL03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of 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 ***Redirecting number*** 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:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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.	

IGI__xxSICFB_CLI_COL04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of 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 ***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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
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 ***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. 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_COL05	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes,** "notification to forwarding subscriber"=**Yes**) and CLIP (see note).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
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. 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_COL06	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP, COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of 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 ***Redirecting number*** 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
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.	

IGG__xxSICFB_CLI_COL01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion"=**Yes**) and CLIP (see note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **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:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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__xxSICFB_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**UDUB** ("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
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__xxSICFB_CLI_COL03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFBUDUB active	
Comments:		

IGI__xxSICFB_CLI_COL04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of 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:		

IGG__xxSICFB_CLI_COL05	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**NDUB** ("calling user is notified of call diversion"=**Yes,** "notification to forwarding subscriber"=**Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
Comments:		

IGG__xxSICFB_CLI_COL06	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFBNDUB active	
Comments:		

IGI__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1 [1], 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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**). and CLIP (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 **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 correctly delivered to the called user C.	
ISDN parameter values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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 ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified with a NOTIFY (Invoke=NotifySS[CFNRy, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGI__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=**Yes,** "notification to forwarding subscriber"=**Yes**) (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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[CFNRy, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with EN 300 646-1 [96], clause 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15 [95]). The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IGI__xxSICFNRy_CLI_COL03	**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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**No** "notification to forwarding 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 ***Redirecting number*** 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1 [1], 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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**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. 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.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=**Yes,** "notification to forwarding subscriber"=**Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
Comments:		

IGG__xxSICFNRy_CLI_COL03	**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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
Comments:		

IGU__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1 [1], 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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**). and CLIP (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. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
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.	

IGU__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion"=**Yes,** "notification to forwarding subscriber"=**Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
Comments:		

IGU__xxSICFNRy_CLI_COL03	**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/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFNRy active	
Comments:		

IGI__xxSICFNRc01	**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/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, 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"=**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 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRc active, the user is detached	
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 ***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__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call 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 values:	**A: !** BC=I_BC_ID **C: ?** BC=I_BC_ID	
PLMN parameter values:	CFNRc active, the user is detached	
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:** 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, 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 ***Redirecting number*** 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:	**A: !** BC=I_BC_ID **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.	

IGG__xxSICFNRc01	**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/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, 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"=**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 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.	

IGG__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call 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.	

IGG__xxSICFNRc03	**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, 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**.	
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:** 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/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, 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"=**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:		

IGU__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2 and 9.2.5	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call 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 values:	BC=I_BC_ID	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:		

IGU__xxSICFNRc03	**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, 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**.	
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:		

IGI__xxSICUG01	**ISDN ref. to:** EN 300 138-1 [11]	**PLMN ref. to:** TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=I_BC_ID	
Comments:	On PLMN side CUGSSaccording to the Stage 1 description.	

IGI__xxSICUG02	**ISDN ref. to:** EN 300 138-1 [11]	**PLMN ref. to:** TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSSaccording to the stage 1 description.	

IGI__xxSICUG03	**ISDN ref. to:** EN 300 138-1 [11]	**PLMN ref. to:** TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSSaccording to the stage 1 description.	

IGI__xxSICUG04	**ISDN ref. to:** EN 300 138-1 [11]	**PLMN ref. to:** TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSSaccording to the stage 1 description.	

IG___xxSICUG05	**ISDN ref. to:** EN 300 138-1 [11]	**PLMN ref. to:** TS 100 518 [50]
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=I_BC_ID	
Comments:	On PLMN side CUGSSaccording to the stage 1 description.	

IGI__xxSICFB01	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=I_BC_ID	
Comments:		

IGI__xxSICFB02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSICFB03	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/Speech/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSICFB04	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSICFB05	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification=Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. ISDN calling user A shall receive a call diversion notification while PLMN user B shall not receive a call diversion notification.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI__xxSICFB06	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 515 [48]
TSSreference:	ISDN-GSM/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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

Values for test purpose: IG___xxSICLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IG___xxSICLIR_SUB01	**ISDN ref. to:** EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIR_SUB	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when 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 values:	BC=I_BC_ID Calling party number: PI=PA, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IG___xxSICLIR_SUB02	**ISDN ref. to:** EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	ISDN-GSM/Supplementary_services/CLIR_SUB	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user to the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IG___xxSSCOLP_SUB01	**ISDN ref. to:** EN 300 097-1 [9], clause 9.5.1	**PLMN ref. to:** EN 300 940 [59], clause 10.5.4.14 EN 300 951 [62], clause 3 TS 100 542 [91], clause 3
TSSreference:	ISDN-GSM/Supplementary_services/COLP_SUB	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when the Connected subaddress is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter values:	BC=I_BC_ID Connected number: SI=NP, PI=PA, TON=national/international number, NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106]) Connected subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID Connected subaddress	
Comments:		

NON-SYMMETRICAL TESTS

IG___xxSNTP01	**ISDN ref. to:** EN 300 055-1 [13], clause 9.2.1 EN 300 403-1 [1], clause 5.6	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.3 EN 300 940 [59], clause 10.5.4.20
TSSreference:	ISDN-GSM/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling user (no call identity is used)	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The calling user must be a basic access.	

IG___xxSNTP02	**ISDN ref. to:** EN 300 055-1 [13], clause 9.2.2 EN 300 403-1 [1], clause 5.6.5	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.3
TSSreference:	ISDN-GSM/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re-establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The calling user must be a basic access.	

IGI___xxSNCONF01	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.1	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGI___xxSNCONF02	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference from the Active call state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSNCONF03	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.3	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an existing call to the conference.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGI___xxSNCONF04	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.6	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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"). User C is calling user A. User A receives a SETUP (with CRy) message. User A answers with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **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.	

IGI___xxSNCONF05	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.7-A.8	**PLMN ref. to:** EN 300 646-1 [94], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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"). 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 C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been reattached to the conference ("other party reattached"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is reattached to the conference("reattached"). User A sends a FACILITY message with a Facility IE including a ReattachCONF invoke component to request the reattachment of the remote user B. The network shall send a FACILITY message with a Facility IE including a ReattachCONF return result component. 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:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.9	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
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 spitted.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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 (CRy) to user C. After the call establishment [in the (Active, Idle) state] User A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a SETUP message including a Facility IE which shall contain SplitCONF invoke component to request the splitting of the remote user B. The network shall send a CALL PROCEEDING, ALERTING without Channelid IE and a CONNECT message with a SplitCONF return component. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been split from the conference ("other party split"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is disconnected from the conference ("conference disconnected"). NOTE: The standard EN 300 646-1 [96], clause 6.1.1.8 is not in line with the ITU-T Recommendation Q.734.1 [99]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSNCONF07	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.10-A.12	**PLMN ref. to:** EN 300 646-1 [94], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
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:	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 (CRy) to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a FACILITY message with a Facility IE including a DropCONF invoke component to request to disconnect the remote user B. The network shall send a FACILITY message with a Facility IE including a DropCONF return result component. User B shall be disconnected from the call with the normal call clearing procedures. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been disconnected from the conference ("other party disconnected").User A is terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE. User C shall be disconnected from the network with the normal call clearing procedures. 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:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.11-A.12	**PLMN ref. to:** EN 300 646-1 [94], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.1	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSNCONF02	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference from the Active call state.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGG___xxSNCONF03	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.3	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an existing call to the conference.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSNCONF04	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.6	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSNCONF05	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.7-A.8	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSNCONF06	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.9	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSNCONF07	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.10-A.12	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/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:		

IGG___xxSNCONF08	**ISDN ref. to:** EN 300 185-1 [16], clause 9.2.2, annex A, figure A.11-A.12	**PLMN ref. to:** EN 300 646-1 [96], clause 6.1.1.8
TSSreference:	ISDN-GSM/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGI___xxSN3PTY01	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the 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 shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **B** the notification "Remote hold". When user **A** sends a RETRIEVE message for CRx the network shall send a NOTIFY message to user B containing a Notification indicator IE with a notification description of "Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSN3PTY02	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 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 values:	GSM-BC=G_BC_ID	
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-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **C** a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSN3PTY03	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release of both remote users, user B is released first.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **C** a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". On receipt of a DISCONNECT message from the user **A** relating to the Active-Idl connection (CRy) the network shall clear the call to user C with a DISCONNECT message. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSN3PTY04	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release of both remote users, user C is released first.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGI___xxSN3PTY05	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 user B sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGI___xxSN3PTY06	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 user C sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGI___xxSN3PTY07	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSN3PTY08	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B an C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. The served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall: i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection; ii) release the three-way bridge; iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection; iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification description of "Remote hold"; and, v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected". When the served user receives a correctly encoded End3PTY return result component, within a FACILITYmessage, the user shall accept the provided information and shall: i) use the CR relating to the Active-Idle connection, perform the Hold function ii) use the CR relating to the Active-Held connection, perform the Retrieve function The network shall complete the Hold and Retrieve functions. On successful completion of the Hold function (i.e. the HOLD ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user that is not to be included in the private communication, containing a Notification indicator information element with a notification description of "Remote hold". On successful completion of the Retrieve function (i.e. RETRIEVE ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user for whom private communication is desired, containing a Notification indicator information element with a notification description of "Conference disconnected". (A Notification indicator information element with a notification description of "Remote retrieval" is not sent to the remote user under these circumstances.) As a result of the procedures of this item of this clause, the call state of the connections, at both the network and the served user, is unchanged. The auxiliary state of the connection of the private communication changes from Call Held to Idle. The auxiliary state of the other connection changes from Idle to Call Held. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100]. The PLMN does not support the sending of notifications to the remote users.	

IGI___xxSN3PTY09	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and take no further action. As a result of the procedures of this item of this clause, the call state and the auxiliary state of the connections, at both the network and the served user, are unchanged. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1 [96] clause 6.1.1.15 is not in line with the ITU-T Recommendation Q.734.2 [100] The PLMN does not support the sending of notifications to the remote users.	

IGG___xxSN3PTY01	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IGG___xxSN3PTY02	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 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 values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSN3PTY03	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release of both remote users, user B is released first.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSN3PTY04	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 release of both remote users, user C is released first.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGG___xxSN3PTY05	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 user B sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGG___xxSN3PTY06	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 user C sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

IGG___xxSN3PTY07	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	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.	

IGG___xxSN3PTY08	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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 B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IGG___xxSN3PTY09	**ISDN ref. to:** EN 300 188-1 [20], clause 9.2	**PLMN ref. to:** 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:		

IG___xxSNCBS01	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 548 [58]
TSSreference:	ISDN-GSM/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	The Network B supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

IG___xxSNCBS02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 548 [58]
TSSreference:	ISDN-GSM/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	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.	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

IG___xxSNCCNR01	**ISDN ref. to:** EN 300 065-1 [101]	**PLMN ref. to:** EN 300 065-1 [101]
TSSreference:	ISDN-GSM/Supplementary_services/CCNR	
ISDN selection criteria:	The user A is in network N1 and has subscribed to the CCNR supplementary service	
PLMN selection criteria:	The user B is in the network N2 and does not support CCNR.	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSNAoC-01	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 519 [107]
TSSreference:	ISDN-GSM/Supplementary_services/AoC	
ISDN selection criteria:		
PLMN selection criteria:	AoC	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSNAoC-02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** ETS 300 519 [107]
TSSreference:	ISDN-GSM/Supplementary_services/AoC	
ISDN selection criteria:		
PLMN selection criteria:	AoC	
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 values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IG___xxSNMPTY01	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSNMPTY02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IG___xxSNMPTY03	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the 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:		

IG___xxSNMPTY04	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** TS 100 517 [108], TS 100 545 [109]
TSSreference:	ISDN-GSM/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

7.2 Test purposes for PSTN to GSM

7.2.1 Test purposes for PSTN to GSM, Basic call

7.2.1.1 Successful

Successful
PSTN

PG___AU__01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** 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 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 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	

PG___AU__02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** 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 criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly (single-numbering scheme). Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PG___AU__03	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 ETS 300 604 [103], clauses 9.2.2 a and 10.2.2
TSSreference:	PSTN-GSM/Basic_call/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 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.	

PG___AU__04	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** 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.	

PG___AU__05	**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/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
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:		

PG___AU__06	**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/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that a Facsimile G3 call is performed correctly (single-numbering scheme) when the **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:		

PG___HA__01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause 5.2.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.2
TSSreference:	PSTN-GSM/Basic_call/Successful/3,1 kHz audio	
PSTN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
Test purpose:	Ensure that the PSTN data call is correctly delivered to the GSM. In the active call state (N10) ensure that the data transfer with the channel rate set to: CHANNEL RATE on the traffic channels is performed correctly.	
PSTN parameter values:	CHANNEL_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: G_USER_RATE.	
Comments:		

Values for test purposes PG___HA__01	
VA_01	MODE: synchronous CHANNEL_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s
VA_02	MODE: synchronous CHANNEL_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s
VA_03	MODE: synchronous CHANNEL_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s
VA_04	MODE: synchronous CHANNEL_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s
VA_05	MODE: synchronous CHANNEL_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s
VA_06	MODE: synchronous CHANNEL_RATE: 56,0 kbit/s FNU_RATE: 56,0 kbit/s transparent
VA_07	MODE: asynchronous CHANNEL_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s
VA_08	MODE: asynchronous CHANNEL_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s
VA_09	MODE: asynchronous CHANNEL_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s
VA_10	MODE: asynchronous CHANNEL_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s
VA_11	MODE: asynchronous CHANNEL_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s

7.2.1.2 Unsuccessful

PSTN
UNSUCCESSFUL

PG___AU_U01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB), the calling user receives a busy tone.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

PG___AU_U02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
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:		

PG___AU_U03	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 974 [72], clauses 18.2 and 18.3.2 EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent". The calling user receives a announcement that the called number cannot be reached.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PG___AU_U04	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to: ref. to:** EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
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:		

PG___AU_U05	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to :** EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
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 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.	

PG___AU_U06	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to :** EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
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 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.	

PG___AU_U07	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
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:	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").	

PG___AU_U08	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
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 mobile will not contain a GSM BC element.	

PG___AU_U09	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59]
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
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 not contain a GSM BC element.	

PG___AU_U10	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause H.1.7
TSSreference:	PSTN-GSM/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB) after being alerted, the calling user receives a free tone followed by a busy tone	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

7.2.2 Test purposes for PSTN to GSM, Supplementary_services

Supplementary_services

PSTN

PG___AUSSCLIP01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 940 [59], clause 10.5.4.9 EN 300 951 [62]
TSSreference:	PSTN-GSM/Supplementary_services/CLIP/	
PSTN selection criteria:	Call to a PLMN user	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PA, SI=NP, TON=national / international number 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.	

PG___AUSSCLIR01	**PSTN ref. to:** ETS 300 649 [110]	**PLMN ref. to:** EN 300 940 [59], clauses 10.5.4.9 and 10.5.4.10 EN 300 951 [62], clause 1 TS 100 542 [91], clause 1
TSSreference:	PSTN-GSM/Supplementary_services/CLIR/	
PSTN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that the Calling party number information element is delivered to the called user without any digit information.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

PG___AUSSCUG01	**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_services/CUG	
PSTN selection criteria:	CUG	
PLMN selection criteria:	CUG with incoming access "not allowed".	
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:		

PGP___AUSSCFU01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 1 TS 100 543 [55], clause 1
TSSreference:	PSTN-GSM/Supplementary_services/CFU	
PSTN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	CFU	
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 values:	CFUactive	
Comments:		

PGP__AUSSCFB01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	PSTN-GSM/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-UDUB	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-UDUB. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFB-UDUB active	
Comments:		

PGP__AUSSCFB02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	PSTN-GSM/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-NDUB. Notification to forwarding subscriber=Yes	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the notification to forwarding subscriber is set to 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 values:	CFB-NDUB active	
Comments:		

PG__AUSSCFB03	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 2 TS 100 543 [55], clause 2
TSSreference:	PSTN-GSM/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-NDUB. Notification to forwarding subscriber=No	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the notification to forwarding subscriber is set to no. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFB-NDUB active	
Comments:		

PGP__AUSSCFNRy01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 3 TS 100 543 [55], clause 3
TSSreference:	PSTN-GSM/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	CFNRy. Notification to forwarding subscriber=Yes	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to yes. Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFNRy active	
Comments:	.	

PGP__AUSSCFNRy02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 3 TS 100 543 [55], clause 3
TSSreference:	PSTN-GSM/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	CFNRy. Notification to forwarding subscriber=No	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to 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 values:	CFNRy active	
Comments:	.	

PGP__AUSSCFNRc01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** EN 300 952 [63], clause 4 TS 100 543 [55], clause 4
TSSreference:	PSTN-GSM/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	CFNRc	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRc. Ensure that when user A calls user B, if detached, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFNRc active	
Comments:		

NON-SYMMETRICAL TESTS

PG___AUSNCBS01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 548 [58]
TSSreference:	PSTN-GSM/Supplementary_services/Call barring service/	
PSTN selection criteria:		
PLMN selection criteria:	The Network B supports BAIC.	
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.	

PG___AUSNCBS02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 548 [58]
TSSreference:	PSTN-GSM/Supplementary_services/Call barring service	
PSTN selection criteria:		
PLMN selection criteria:	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.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

PGG__AUSNMPTY01	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 517 [108] TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
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:		

PGG__AUSNMPTY02	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 517 [108] TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
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:		

PGG__AUSNMPTY03	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 517 [108] TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
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:		

PGG__AUSNMPTY04	**PSTN ref. to:** EN 300 001 [102]	**PLMN ref. to:** TS 100 517 [108] TS 100 545 [109]
TSSreference:	PSTN-GSM/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
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

GI___SP__01	**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/Speech	
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 values:	BC=speech, no HLC	
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:		

GI___SP__02	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech	
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 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 values:	BC=speech, no HLC	
PLMN parameter values:	GSM-BC=speech, no HLC	
Comments:		

GI___SP__03	**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 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 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 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 values:	BC=speech, HLC=telephony	
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:		

GI___SP__04	**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 TS 100 913 [67], clause B.2.8
TSSreference:	PLMN- ISDN/Basic_call/Successful/Speech	
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 values:	BC=speech, HLC=telephony	
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:		

GI___SP__05	**ISDN ref. to:** EN 300 403-1 [1], clauses 3.1.10 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 7.3.2
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information included 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 values:	B:? SETUP: BC=speech, HLC=telephony, B:! CONNECT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=speech, HLC=telephony A:? CONNECT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Answer message (ANM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

GI___SP__06	**ISDN ref. to:** EN 300 403-1 [1], clauses 3.1 and 5.2	**PLMN ref. to:** EN 300 940 [59], clauses 7.3.2 and 5.2
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information 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 values:	B:? SETUP: BC=speech, HLC=telephony, B:! ALERT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=speech HLC=telephony A:? ALERT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Address complete message (ACM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

Successful

3,1 kHz audio, ex PLMN

GI___AU__01	**ISDN ref. to:** EN 300 403-1, [1] clauses 5.2 and 4.5.5	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
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 values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI___AU__02	**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 TS 100 913 [67], clause B.1.2
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
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 values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI___AU__03	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.2 and 4.5.5	**PLMN ref. to:** EN 300 940[59], clause 5.2.1 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 criteria:	Bearer service 3,1 kHz audio	
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:** 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 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 criteria:	Bearer service 3,1 kHz audio	
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 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 values:	a) BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE 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 values:	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:	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 GI___AU__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

GI___AU__05	**ISDN ref. to:** EN 300 403-1 [1], clauses 3.1.10 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 7.3.2
TSSreference:	GSM-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	To verify that progress indicator information included 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 values:	B:? SETUP: GSM-BC=3,1 kHz audio, voice band data via modem B:! CONNECT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem A:? CONNECT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Answer message (ANM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

GI___AU__06	**ISDN ref. to:** EN 300 403-1 [1], clauses 3.1 and 5.2	**PLMN ref. to:** 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	To verify that progress indicator information 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 values:	B:? SETUP: GSM-BC=3,1 kHz audio, voice band data via modem B:! ALERT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem A:? ALERT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Address complete message (ACM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

Successful

UDI

GI___UD__01	**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:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:	The user bitrate is out of scope of this test case.	

GI___UD__02	**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:	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 and B-channels is performed correctly.	
ISDN parameter values:	BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC=UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:	The user bitrate is out of scope of this test case.	

GI___UD__03	**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 TS 100 913 [67], clause B.1.2 and B 2.2
TSSreference:	GSM-ISDN/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
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 values:	a) BC=UDI, V.110/X.30 synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, 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 GI___DU__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

GI___FX__01	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17 EG 201 018 [83]	**PLMN ref. to:** EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.1.1
TSSreference:	GSM-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that 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=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, no HLC	
Comments:		

GI___FX__02	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** EN 300 940 [59], clause 5.2 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clauses B.1.1.1 and B 2.11
TSSreference:	GSM-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that 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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GI___FX__03	**ISDN ref. to:** EN 300 403-1 [1], clause 4.5.17	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2 TS 100 913 [67], clause B.1.11
TSSreference:	GSM-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" inserted by the network are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, no HLC	
Comments:		

GI___FX__04	**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 10.2.2 TS 100 913 [67], clauses B.1.11 and B.2.11
TSSreference:	GSM-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" 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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

Successful
Alternate speech and facsimile group 3

GI___AF__01	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clause B.1.10
TSSreference:	GSM-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection 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 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=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
Comments:		

GI___AF__02	**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/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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
Comments:		

GI___AF__03	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.1	**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/Alternate speech and facsimile G3	
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 "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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
Comments:		

GI___AF__04	**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/Alternate speech and facsimile G3	
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 "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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GI___AF__06	**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/Alternate speech and facsimile G3	
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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	first GSM-BC=Facsimile G3, no HLC second GSM-BC=speech	
Comments:		

GI___AF__07	**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/Alternate speech and facsimile G3	
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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3 second GSM-BC=speech	
Comments:		

Successful
Alternate Speech/Data

GI___AD__01	**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 TS 100 913 [67], clause B.1.6
TSSreference:	GSM-ISDN/Basic_call/Successful/Alternate speech and data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
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 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	
Comments:		

GI___AD__02	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.1	**PLMN ref. to:** EN 300 940 [59], clause 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 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 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= ,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

GI___AD__03	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.1	**PLMN ref. to:** EN 300 940 [59], clause 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 criteria:	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 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 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	
Comments:		

GI___AD__04	**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 TS 100 913 [67], clause B.1.6
TSSreference:	GSM-ISDN/Basic_call/Successful/Alternate speech and data	
ISDN selection criteria:	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 GI___AD__01 to GI___AD__04	
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

GI___FD__01	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 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 criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	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 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	
Comments:		

GI___FD__02	**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/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
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 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:		

GI___FD__03	**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/Speech followed by data	
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 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	
Comments:		

GI___FD__04	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2.2 TS 100 913 [67], clauses B.1.7 and B.2.7.1
TSSreference:	GSM-ISDN/Basic_call/Successful/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	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) 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 GI___FD__01 to GI___FD__04	
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

GI___EC__01	**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/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM card. 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=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

GI___EC__02	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clause 5.2.1 TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/ Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12;	
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

GI___EC__03	**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/ Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
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 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=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
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.	

GI___EC__04	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clauses 4.5.1.5 and 5.2.1 TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/ Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
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 values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
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.	

GI___EC__05	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clauses 4.5.1.5 and 5.2 TS 100 976 [74], clause 10.2
TSSreference:	GSM-ISDN/Basic_call/Successful/ Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognised by the VLR. 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=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
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.	

GI___EC__06	**ISDN ref. to:** EN 300 403-1 [1], clauses 4.5.5 and 5.2	**PLMN ref. to:** EN 300 940 [59], clauses 4.5.1.5 and 5.2.1 TS 100 976 [74], clause 10.2.1
TSSreference:	GSM-ISDN/Basic_call/Successful/ Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognised by the VLR. 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 values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
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.	

Successful
HSCSD - 3,1 kHz

GI___HA__01	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74] TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the 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 values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
Comments:		

GI___HA__02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74] TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the **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 **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 performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose GI___HA__01 and GI___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 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 AIU_RATE: 57,6 TCH_FX_X: 14,4
VA_07	MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 TCH_FX_X:14,4
VA_08	MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 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:** EN 300 403-1 [1]	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74] TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - UDI	
ISDN selection criteria:	UDI	
PLMN selection criteria:	HSCSD, UDI	
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 values:	BC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30 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	
Comments:		

GI___HU__02	**ISDN ref. to:** EN 300 403-1 [1]	**PLMN ref. to:** EN 300 940 [59] TS 100 976 [74] TS 101 038 [88]
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	HSCSD, UDI	
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 **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 performed correctly.	
ISDN parameter values:	BC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=UDI, V.110/X.30, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=UDI, V.110/X.30, 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	
Comments:		

Values for test purpose GI___HU__01 and GI___HU__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 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 TCH_FX_X:14,4
VA_08	MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4,8
VA_09	MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4
VA_10	MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X: 9,6
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6 TCH_FX_X: 14,4

7.3.1.2 Unsuccessful

Unsuccessful

Speech

GI___SP_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

GI___SP_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
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 is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GI___SP_U03	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], H.1.7 TS 100 974 [74], clauses 18.2 and 18.3.2
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 is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GI___SP_U04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service 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".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GI___SP_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 call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

GI___SP_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2, annex M; EN 300 940 [59], clause B.3.2	**PLMN ref. to:** EN 300 940 [59], clause H.5.3
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 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:		

GI___SP_U07	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech	
PLMN selection criteria:	TS 11	
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 values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

Unsuccessful

3,1 kHz audio ex PLMN

GI___AU_U01	**ISDN ref. to:** 300 403-1 [1], clause 5.2.1	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

GI___AU_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.3	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI___AU_U03	**ISDN ref. to :** EN 300 403-1 [1], clause 5.2.5.4.	**PLMN ref. to:** EN 300 940 [59], clause H.1.7 TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
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 values:	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
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_U04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4.	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
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=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
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_U05	**ISDN ref. to:** EN 300 403-1 [1], clause 5.3.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI___AU_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.2, annex M	**PLMN ref. to:** EN 300 940 [59], clauses B.3.2 and H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
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 network transport the cause value to the calling user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

GI___AU_U07	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
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 values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1 [1]) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According to ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

Unsuccessful

UDI

GI___UD_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.1.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GI___UD_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GI___UD_U03	**ISDN ref. to :** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** 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 criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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 values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GI___UD_U04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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:		

GI___UD_U05	**ISDN ref. to:** EN 300 403-1 [1], clause 5.3, annex M	**PLMN ref. to:** EN 300 940 [59], clauses 5.2.2.3.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GI___UD_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.3, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GI___UD_U07	**ISDN ref. to:** EN 300 403-1 [1], clause 5.3, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
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 values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

Unsuccessful

Facsimile group 3

GI___FX_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

GI___FX_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.1	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GI___FX_U03	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.7 TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GI___FX_U04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
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=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GI___FX_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 G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GI___FX_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.2, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
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=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

GI___FX_U07	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
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 values:	BC=3,1 kHz audio, HLC=Facsimile G2/G3	
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

GI___AF_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

GI___AF_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.1	**PLMN ref. to:** EN 300 940 [59], clause H.1.6
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GI___AF_U03	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.7 TS 100 974 [74], clauses 18.2 and 18.3.2
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GI___AF_U04	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
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=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GI___AF_U05	**ISDN ref. to:** EN 300 403-1 [1], clauses 5.1.9, 5.3.2, annex M	**PLMN ref. to:** EN 300 940 [1], clauses 5.1 and H.1.9
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GI___AF_U06	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.2, annex M	**PLMN ref. to:** EN 300 940 [59], clause H.5.3
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user is not 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=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GI___AF_U07	**ISDN ref. to:** EN 300 403-1 [1], annex M	**PLMN ref. to:** EN 300 940 [59], clause H.1.5
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
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 values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

Unsuccessful Emergency Calls

GI___EC_U01	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2	**PLMN ref. to:** EN 300 940 [59], clause H.1.1
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Emergency Calls	
ISDN selection criteria:	Emergency service; bearer service speech	
PLMN selection criteria:	TS 12	
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 values:	BC=speech	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

GI___EC_U02	**ISDN ref. to:** EN 300 403-1 [1], clause 5.2.5.4	**PLMN ref. to:** EN 300 940 [59], clause H.1.8
TSSreference:	GSM-ISDN/Basic_call/Unsuccessful/Emergency Calls	
ISDN selection criteria:	Emergency service; bearer service speech	
PLMN selection criteria:	TS 12	
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 values:	BC=speech	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

7.3.2 Test purposes for GSM-ISDN Supplementary services

Supplementary Services

GI___xxSSCLIP01	**ISDN ref. to:** EN 300 092-1 [7] EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 1 EN 300 951 [62], clause 1
TSSreference:	GSM-ISDN/Supplementary_services/Speech/CLIP	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
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 values:	BC=I_BC_ID Calling party number: PI=PA TON=national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party subaddress	
Comments:		

GI___xxSSCLIP02	**ISDN ref. to:** EN 300 092-1 [7], clause 9.3 EN 300 403-1 [1], clause 4.5.10	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 1 EN 300 951 [62], clause 1
TSSreference:	GSM-ISDN/Supplementary_services/Speech/CLIP	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
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 values:	BC=I_BC_ID Calling party number: PI=PA TON=national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCLIR01	**ISDN ref. to:** EN 300 093-1 [8] EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 2 EN 300 951 [62], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/Speech/CLIR	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter values:	BC=I_BC_ID Calling party number: PI=PR TON=NP I=unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party subaddress	
Comments:		

GI___xxSSCLIR02	**ISDN ref. to:** EN 300 093-1 [8], clause 9.4.1 EN 300 092-1/A2 [92], figure 2	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.2 TS 100 542 [91], clause 2 EN 300 951 [62], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/Speech/CLIR	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when no Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter values:	BC=I_BC_ID Calling party number: PI=PR TON=NP I=unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCOLP01	**ISDN ref. to:** EN 300 097-1 [9], clause 9.5.1	**PLMN ref. to:** 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 criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter values:	Connected subaddress number	
PLMN parameter values:	GSM-BC=G_BC_ID Connected number PI=PA, SI=UPVP, TON=national/international number, NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164 [37]/E.163 [106]) Connected subaddress number	
Comments:		

GI___xxSSCOLP01	**ISDN ref. to:** EN 300 097-1 [9], clause 9.5.1	**PLMN ref. to:** 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 criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
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 values:	GSM-BC=G_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])	
Comments:		

GI___xxSSCOLR01	**ISDN ref. to:** EN 300 098-1 [10] clauses 9.3.1 and 9.4.1 EN 300 092-1/A2 [92], figure 4	**PLMN ref. to:** 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/COLR	
ISDN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
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 values:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

GI___xxSSCUG01	**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:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
PLMN selection criteria:	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 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 values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);Suppress OA (SOA)	
Comments:		

GI___xxSSCUG02	**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 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 values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
Comments:		

GI___xxSSCUG03	**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 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 values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

GI___xxSSCUG04	**ISDN ref. to:** EN 300 138-1 [11] clauses 9.2.2 and 9.2.4 ITU-T Recommendation Q.735.1 [111]	**PLMN ref. to:** TS 100 546 [57] TS 100 569 [65]
TSSreference:	GSM-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
PLMN selection criteria:	The calling user belongs to the **same** 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 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

GI___xxSSCUG05	**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 component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID, ForwardCUG-Info: Suppress Pref. CUG (SPC);	
Comments:		

GI___xxSSCUG06	**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 a CUG subscriber**	
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 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 values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

GI___xxSSCUG07	**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:		

GI___xxSSCUG08	**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:		

GI___xxSSCUG09	**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: **not IA; 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 is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

GI___xxSSCUG10	**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:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**	
PLMN selection criteria:	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 not allowed, not outgoing calls barred within the CUG 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 cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
Comments:		

GI___xxSSSUB01	**ISDN ref. to:** EN 300 061-1 [12], clause 9.2 EN 300 403-1 [1], clause 4.5.9	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.1.5
TSSreference:	GSM-ISDN/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
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 values:	BC=speech, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID Called party subaddress	
Comments:		

GI___xxSSSUB02	**ISDN ref. to:** EN 300 061-1 [12], clause 9.2 EN 300 403-1 [1], clause 4.5.9	**PLMN ref. to:** EN 300 940 [59], clause 9.3.23.1.5
TSSreference:	GSM-ISDN/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length=minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter values:	BC=I_BC_ID, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID, Called party subaddress	
Comments:		

GIG__xxSSCFU01	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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__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_services/CFU	
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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFU03	**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:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User **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.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFU04	**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_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:		

GIG__xxSSCFU05	**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_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 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:		

GII__xxSSCFU01	**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 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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__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_services/CFU	
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** 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:** 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:	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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFU04	**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_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 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:		

GII__xxSSCFU05	**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_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 values:	CFU- partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFU01	**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 **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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__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_services/CFU	
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 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:		

GIP__xxSSCFU03	**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:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is busy.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFU04	**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_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:		

GIP__xxSSCFU05	**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_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 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__xxSSCFU01	**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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
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_services/CFU	
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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFU03	**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:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User **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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFU04	**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_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:		

GIU__xxSSCFU05	**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_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 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:		

GIG__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is 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-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **C: ?** GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 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 values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **C: ?**GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is 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 values:	**A: !** GSM-BC=G_BC_ID **C: ?** GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 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:		

GIG__xxSSCFB05	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("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 (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **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. 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__xxSSCFB06	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to 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.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB07	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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:		

GIG__xxSSCFB08	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB09	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is informed of the reason for diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 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__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is informed of the reason for diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clause 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 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 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:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("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 (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	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. 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:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB07	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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__xxSSCFB08	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB09	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 (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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 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:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("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 (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 values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 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 of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB05	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("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 (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	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. 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.	

GIP__xxSSCFB06	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB07	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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:		

GIP__xxSSCFB08	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFB09	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB01	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is 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-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **C: ?** GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB02	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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 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 values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **C: ?**GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB03	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("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 (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is 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 values:	**A: !** GSM-BC=G_BC_ID **C: ?** GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB04	**ISDN ref. to:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 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:** EN 300 207-1 [17], clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("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 (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID **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. 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.	

GIU__xxSSCFB06	**ISDN ref. to:** EN 300 207-1 [17], clause 10.5	**PLMN ref. to:** ETS 300 566 [112], clause 2 ETS 300 543 [55], clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB07	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion"=**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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__xxSSCFB08	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFB09	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion"=**No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 **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.	

GIG__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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 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 values:	GSM-BC=G_BC_ID	
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.	

GIG__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 **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.	

GIG__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**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 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 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.	

GIG__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to User"=**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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.	

GIG__xxSSCFNR06	**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_services/CFNR	
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"=**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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFNR07	**ISDN ref. to:** EN 300 403-1, clause 9.2.2 and 10.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
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:		

GIG__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option 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:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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 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. 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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**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 user B, if unanswered, the call is forwarded to user C. User A user B and user C are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to User"=**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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:		

GII__xxSSCFNR06	**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_services/CFNR	
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"=**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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFNR07	**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_services/CFNR	
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:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option 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:		

GII__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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:		

GIP__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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 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. 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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**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 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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to User"=**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 **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.	

GIP__xxSSCFNR06	**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_services/CFNR	
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"=**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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIP__xxSSCFNR07	**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_services/CFNR	
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:		

GIP__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option 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:		

GIP__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 **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.	

GIU__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/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 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 values:	GSM-BC=G_BC_ID	
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:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**=Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 **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.	

GIU__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**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 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 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__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to User"=**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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.	

GIU__xxSSCFNR06	**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_services/CFNR	
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"=**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 values:	CFNR - partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIU__xxSSCFNR07	**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_services/CFNR	
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:		

GIU__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option 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:** EN 300 403-1, clauses 9.2.2, 9.2.4.4 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3
TSSreference:	GSM-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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:		

GI__xxSSHOLD01	**ISDN ref. to:** EN 300 141-1, clause 7 EN 300 196-1, clause 7.1	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/HOLD	
ISDN selection criteria:	The calling user is provided with HOLD	
PLMN selection criteria:	HOLD	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSHOLD02	**ISDN ref. to:** EN 300 141-1, clause 7 EN 300 196-1, clause 7.1	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/HOLD	
ISDN selection criteria:	The called user is provided with HOLD	
PLMN selection criteria:	HOLD	
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 values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCW01	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 100 544, clause 1 EN 300 953, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CW	
ISDN selection criteria:	The called user is provided with CW	
PLMN selection criteria:	CW	
Test purpose:	Ensure that the called ISDN user is busy, the called user is notified of the call waiting.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCW02	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 100 544, clause 1 EN 300 953, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CW	
ISDN selection criteria:	The called user is provided with CW	
PLMN selection criteria:	CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1i01	**ISDN ref. to:** EN 300 286-1, clause 9.1.1.1 and 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1i02	**ISDN ref. to:** EN 300 286-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
ISDN parameter values:	BC=BC=I_BC_ID UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID UI length=32	
Comments:		

GI___xxSSUUS1i03	**ISDN ref. to:** EN 300 286-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, 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 values:	BC=I_BC_ID, UI length=32	
PLMN parameter values:	GSM-BC=G_BC_ID, UI length=32	
Comments:		

GI___xxSSUUS1i04	**ISDN ref. to:** EN 300 286-1, clause 9.1.2.2.1a EN 300 403-1	**PLMN ref. to:** EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC=BC=I_BC_ID, UI length=32	
PLMN parameter values	GSM-BC=G_BC_ID, UI length=32	
Comments:		

GI___xxSSUUS1i05	**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_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, 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:		

GI___xxSSUUS1i06	**ISDN ref. to:** EN 300 286-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 940, clause 10.5.4.25
TSSreference:	GSM-ISDN/Supplementary_services/UUS1i	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
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 values:	BC=I_BC_ID, UI length=32	
PLMN parameter values:	GSM-BC=G_BC_ID, UI length=32	
Comments:	.	

GI___xxSSUUS1e01	**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_services/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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e02	**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_services/UUS1e	
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 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e03	**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_services/UUS1e	
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 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e04	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Destination **network** rejects **explicit** the UUS1 request	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	If the network already has or has obtained the knowledge that the network itself or the called user cannot support service 1 and it was explicitly requested as non-essential, a "service 1 not provided" indication is returned in the user-to-user indicators parameter in the address complete, call progress, answer, connect, or release messages.	

GI___xxSSUUS1e05	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e06	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e07	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e08	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e09	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Called network does not receive an explicit service 1 acceptance	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS1e10	**ISDN ref. to:** EN 300 286-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1
TSSreference:	GSM-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS201	**ISDN ref. to:** EN 300 286-1, clause 9.2.2.1	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS202	**ISDN ref. to:** EN 300 286-1, clause 9.2.1.2	**PLMN ref. to:** EN 300 646-1 TS 124 087
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**", 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS203	**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:		

GI___xxSSUUS204	**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 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as "**UUS not required"** (not-essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS205	**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 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:		

GG___xxSSUUS206	**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 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 values:	GSM-BC=G_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS301	**ISDN ref. to:** EN 300 286-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
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.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS302	**ISDN ref. to:** EN 300 286-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	Ensure that after the calling user request UUS3 during call establishment indicating "**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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS303	**ISDN ref. to:** EN 300 286-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS304	**ISDN ref. to:** EN 300 286-1, clause 9.3.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
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.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSUUS305	**ISDN ref. to:** EN 300 286-1, clause 9.3.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	GSM-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
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 a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

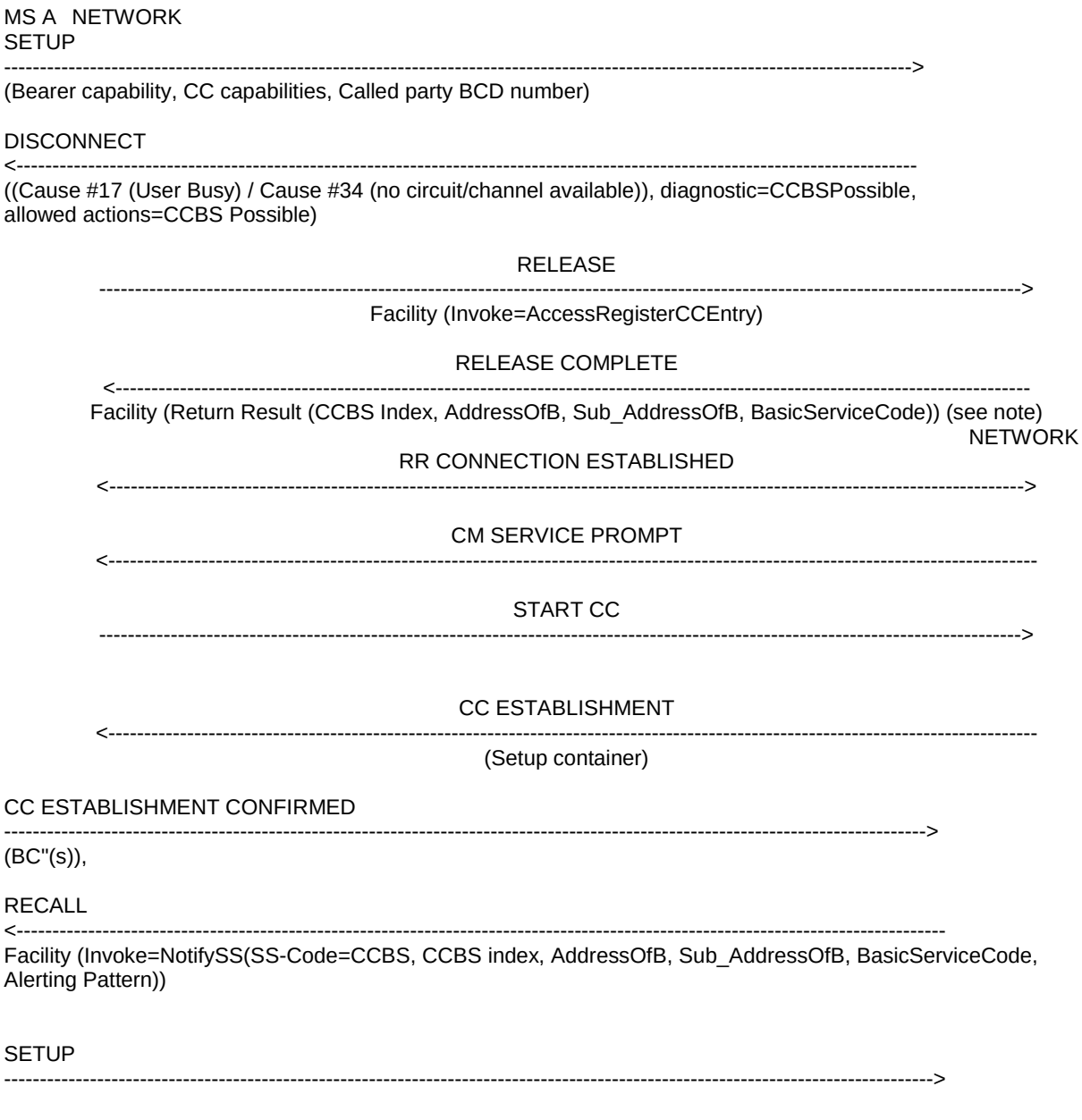
GIG___xxSSECT01	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** EN 300 940
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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:		

GIG___xxSSECT02	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** EN 300 940
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG___xxSSECT03	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** EN 300 940
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG___xxSSECT04	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** EN 300 940
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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:		

GI___xxSSCCBS01	**ISDN ref. to:** EN 300 359-1, clause 9.1.2	**PLMN ref. to:** 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 criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
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. 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.	



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:** EN 300 359-1, clause 9.1.2	**PLMN ref. to:** 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 criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B 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.	

Values for testpurpose GI___xxSSCCBS02	
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

GI___xxSSCCBS03	**ISDN ref. to:** EN 300 359-1, clauses 9.4.3.1 and 9.4.4.1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
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 the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
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. 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 ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

GI___xxSSCCBS04	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
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 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 call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
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. 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.	

GI___xxSSCCBS05	**ISDN ref. to:** EN 300 359-1, clause 9.5.4.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
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 not idle.	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCCBS06	**ISDN ref. to:** EN 300 359-1, clause 9.5.4.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
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 not idle.	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSSCCBS07	**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 4.3
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 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.	

GI___xxSSCCBS08	**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:		

GI___xxSSCCBS09	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
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 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:** EN 300 359-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
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 subscriber A explicitly rejects the CCBS Recall the MS sends a RELEASE COMPLETE message.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
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

GIG__xxSICFU_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
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:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke=NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFU_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
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:	User A is provided with CLIR and COLP. 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 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.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **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** 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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFB_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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:	User A is provided with CLIR and COLP. 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 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** 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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSSCFB_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("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:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **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** 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 values:	CFB-NDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFB_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("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:	User A is provided with CLIR and COLP. 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 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** 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 values:	CFB-NDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFNR_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. 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 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** 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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFNR_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**)	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke=NotifySS[CFNR,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** 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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFNR_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. 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 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** 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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG__xxSICFNR_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**)	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke=NotifySS[CFNR,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** 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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFU_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, 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**). User C is provided with CLIP.	
PLMN selection criteria:	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 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** 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. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly 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__xxSICFU_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, 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**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
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 **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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFU_CLIP_COLP03	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, 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"=**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 ***Redirecting number*** 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:		

GII__xxSICFB_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
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 ***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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFB_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
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[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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFB_CLIP_COLP03	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("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**) 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 with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message and not informed of the diverted-to number. User C can receive the ***Redirecting number*** 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:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSSCFB_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2, 9.2.4.3 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2
TSSreference:	GSM-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("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**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
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 ***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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFB_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("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**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
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 values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFB_CLIP_COLP06	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
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**) 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 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 ***Redirecting number*** 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:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFNR_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
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"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
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 ***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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFNR_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
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"=**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 criteria:	User A is provided with CLIR and COLP.	
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 **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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFNR_CLIP_COLP03	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
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 released to the diverted-to user"=**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, 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 ***Redirecting number*** 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:		

GII__xxSICFNR_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"=**Yes**, with diverted-to number, "diverting number is released to the diverted-to user"=**Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
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 ***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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFNR_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"=**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 criteria:	User A is provided with CLIR and COLP.	
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 **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 values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSICFNR_CLIP _COLP06	**ISDN ref. to:** EN 300 207-1, clauses 9.2.2 and 9.2.5	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1
TSSreference:	GSM-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion"=**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 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, 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 ***Redirecting number*** 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

GI___xxSNTP01	**ISDN ref. to:** EN 300 055-1, clause 9.2.1 EN 300 403-1, clause 5.6	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.3
TSSreference:	GSM-ISDN/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called user	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The called user must be a basic access.	

GI___xxSNTP02	**ISDN ref. to:** EN 300 055-1, clause 9.2.2 EN 300 403-1, clause 5.6.5	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.3
TSSreference:	GSM-ISDN/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re-establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The called user must be a basic access.	

GI___xxSNMCID01	**ISDN ref. to:** EN 300 130-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-ISDN/Supplementary_services/MCID	
ISDN selection criteria:	MCID	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNMCID02	**ISDN ref. to:** EN 300 130-1	**PLMN ref. to:** EN 300 646-1 clause 6.1.1.7
TSSreference:	GSM-ISDN/Supplementary_services/MCID	
ISDN selection criteria:	MCID	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNMPTY0101	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MTPY	
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
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 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.	

GI___xxSNMPTY02	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	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 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.	

GI___xxSNMPTY03	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user 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.	

GI___xxSNMPTY04	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the multi-party call and the single active call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GI___xxSNMPTY05	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GI___xxSNMPTY06	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

GI___xxSNMPTY07	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User 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.	

GI___xxSNMPTY08	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A 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 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 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.	

GI___xxSNMPTY09	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNMPTY10	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNMPTY11	**ISDN ref. to:** EN 300 403-1 clause 5.2	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). 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 values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD01	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD02	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD03	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD/	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD04	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD05	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDNuser B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD06	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD07	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD08	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; (Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user").	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD09	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD10	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the 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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GI___xxSNCD11	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the 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:		

GI___xxSNCD12	**ISDN ref. to:** ETS 300 207	**PLMN ref. to:** EN 300 940, clause 5.2
TSSreference:	GSM-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and 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:		

GI___xxSNCBS01	**ISDN ref. to:**	**PLMN ref. to:** ETS 300 548
TSSreference:	GSM-ISDN/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	Call barring service	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GIG___xxSNCONF01	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.8
TSSreference:	GSM-ISDN/Supplementary_services/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:	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.	

GII___xxSNCONF01	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.8
TSSreference:	GSM-ISDN/Supplementary_services/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. The ISDN user C are in network N2 or N1. Ensure that user A calls user B. User B can establish a conference from the Active call state to user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After the call establishment [in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a **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:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
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.	

GIG__xxSN3PTY02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
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-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

GII__xxSN3PTY01	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
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 is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GII__xxSN3PTY02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
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 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 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-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

7.4 Test purposes for GSM-PSTN

7.4.1 Test purposes for GSM-PSTN, Basic call

7.4.1.1 Successful

Successful
Speech

GP___SP__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause 5.2.1.4.1, 5.5.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 „In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	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.	

GP___SP__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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 values:	GSM-BC=speech	
Comments:		

GP___SP__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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 values:	GSM-BC=speech	
Comments:		

GP___SP__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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:		

GP___SP__05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 criteria:	TS 11	
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 values:	GSM-BC=speech, HLC=telephony	
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

GP___AU__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 criteria:	Audio	
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 values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.	

GP___AU__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 criteria:	Audio	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

GP___AU__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 criteria:	Audio	
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 values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

GP___AU__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, 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

GP___HA__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038
TSSreference:	GSM-PSTN/Basic_call/Successful/HSCSD - 3,1 kHz	
PSTN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
Comments:		

GI___HA__02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **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 performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose GP___HA__01 and GP___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 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 AIU_RATE: 57,6 TCH_FX_X: 14,4
VA_07	MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 TCH_FX_X:14,4
VA_08	MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_09	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4
VA_10	MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6 TCH_FX_X: 14,4

Successful
Facsimile group 3

GP___FX__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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 criteria:	TS 62	
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 values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.	

GP___FX__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GP___FX__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
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 values:	BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

Successful
Alternate speech and facsimile group 3

GP___AF__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause 5.2.1
TSSreference:	GSM-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the 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 values:	first GSM-BC=speech, second GSM-BC=facsimile G3, no HLC	
Comments:		

GP___AF__02	**PSTN ref. to:** EN 300 001	**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-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC=facsimile G3,	
Comments:		

GP___AF__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2 and 5.5.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10
TSSreference:	GSM-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 „In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC=facsimile G3	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. Table 1 shows the sending criteria of each value.	

GP___AF__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2 and 5.5.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10
TSSreference:	GSM-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 „In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	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.	

Table 1

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

Successful Emergency Calls

GP___EC__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1.4.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service	
PLMN selection criteria:	TS 12	
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.	

GP___EC__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

GP___EC__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
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 values:	EMERGENCY SETUP; GSM-BC=SPEECH	
Comments:		

GP___EC__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
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:		

GP___EC__05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
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 (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech,	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

GP___EC__06	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

GP___EC__07	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
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 values:	EMERGENCY SETUP; GSM-BC=speech	
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.	

GP___EC__08	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
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 values:	EMERGENCY SETUP; GSM-BC=speech	
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:** EN 300 001	**PLMN ref. to:** EN 300 940, clauses 5.2.1, 5.4 and 7.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

GP___SP_U02	**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/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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 values:	GSM-BC=speech,	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GP___SP_U03	**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/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

GP___SP_U04	**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/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
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 values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

UNSUCCESSFUL
3,1 kHz ex PLMN

GP___AU_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/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
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 values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GP___AU_U02	**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/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
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=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

GP___AU_U03	**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/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

GP___AU_U04	**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/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

UNSUCCESSFUL

UDI

GP___DU_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/Unsuccessful/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 values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

Unsuccessful

Facsimile group 3

GP___FX_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.1
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=facsimile G3	
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GP___FX_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** 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:		

GP___FX_U03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.8
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 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 values:	GSM-BC=facsimile G3	
Comments:		

GP___FX_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.5
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
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 values:	GSM-BC=facsimile G3	
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

GP___AF_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.1
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC=Facsimile G3	
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

GP___AF_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.6
TSSreference:	PSTN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
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:	first GSM-BC=speech, second GSM-BC=Facsimile G3	
Comments:		

GP___AF_U03	**PSTN ISDN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.7 TS 100 974, clauses 18.2 and 18.3.2
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
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 values:	first GSM-BC=speech, second GSM-BC=Facsimile G3	
Comments:		

GP___AF_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 940, clause H.1.5
TSSreference:	GSM-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
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 values:	first GSM-BC=speech, second GSM-BC=Facsimile G3	
Comments:		

UNSUCCESSFUL
Emergency Calls

GP___EC_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/Unsuccessful/Emergency Call	
PSTN selection criteria:		
PLMN selection criteria:	TS 12	
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 values:	GSM-BC=speech	
Comments:		

7.4.2 Test purposes for GSM-PSTN, Supplementary Services

Supplementary Services

GP___xxSSCLIP01	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659	**PLMN ref. to:** EN 300 940, clause 9.3.23.2 TS 100 542, clause 1 EN 300 951, clause 1
TSSreference:	GSM-PSTN/Supplementary_services/CLIP	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter values:	Calling Line Identity parameter	
PLMN parameter values:	GSM-BC=G_BC_ID, Calling party subaddress	
Comments:		

GP___xxSSCLIP02	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659	**PLMN ref. to:** EN 300 940, clause 9.3.23.2 TS 100 542, clause 1 EN 300 951, clause 1
TSSreference:	GSM-PSTN/Supplementary_services/CLIP	
PSTN selection criteria:	The called user is provided with CLIP	
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 values:	Calling Line Identity parameter	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GP___xxSSCLIR01	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** EN 300 940, clause 9.3.23.2 TS 100 542, clause 2 EN 300 951, clause 2
TSSreference:	GSM-PSTN/Supplementary_services/CLIR	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when 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 values:	GSM-BC=G_BC_ID, Calling party subaddress	
Comments:		

GP___xxSSCLIR02	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** EN 300 940, clause 9.3.23.2 TS 100 542, clause 2 EN 300 951, clause 2
TSSreference:	GSM-PSTN/Supplementary_services/CLIR	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when No Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCOLR01	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** EN 300 940, clause 9.3.5.2 TS 100 542, clause 3 EN 300 951, clause 3
TSSreference:	GSM-PSTN/Supplementary_services/COLR	
PSTN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
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 values:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

GP___xxSSCUG01	**PSTN ref. to:** EN 300 001 ETS 300 648 ETS 300 659-1	**PLMN ref. to:** TS 100 546 TS 100 569
TSSreference:	GSM-PSTN/Supplementary_services/CUG	
PSTN selection criteria:	The called user is not member of CUG.	
PLMN selection criteria:	The calling user belongs to a CUG with outgoing access "allowed".	
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 values:	GSM-BC=G_BC_ID CUG default request	
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.	

GP___xxSSCUG02	**PSTN ref. to:**	**PLMN ref. to:** TS 100 546 TS 100 569
TSSreference:	GSM-PSTN /Supplementary_services/CUG	
PSTN selection criteria:	The called user is not member of CUG.	
PLMN selection criteria:	The calling user belong to a CUG with outgoing access "not allowed"	
Test purpose:	Ensure that when the calling user belong to CUG with outgoing access "not allowed" and the called user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID, CUG default request	
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.	

GP___xxSSCFU01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 100 546, clause 1 TS 100 569, clause 1
TSSreference:	GSM-PSTN /Supplementary_services/CFU	
PSTN 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).	
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 user C are Notified of call diversion.	
PSTN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCFU02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543, clause 1 ETS 300 566, clause 1
TSSreference:	GSM-PSTN /Supplementary_services/CFU	
PSTN 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"=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 user C are Notified of call diversion.	
PSTN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

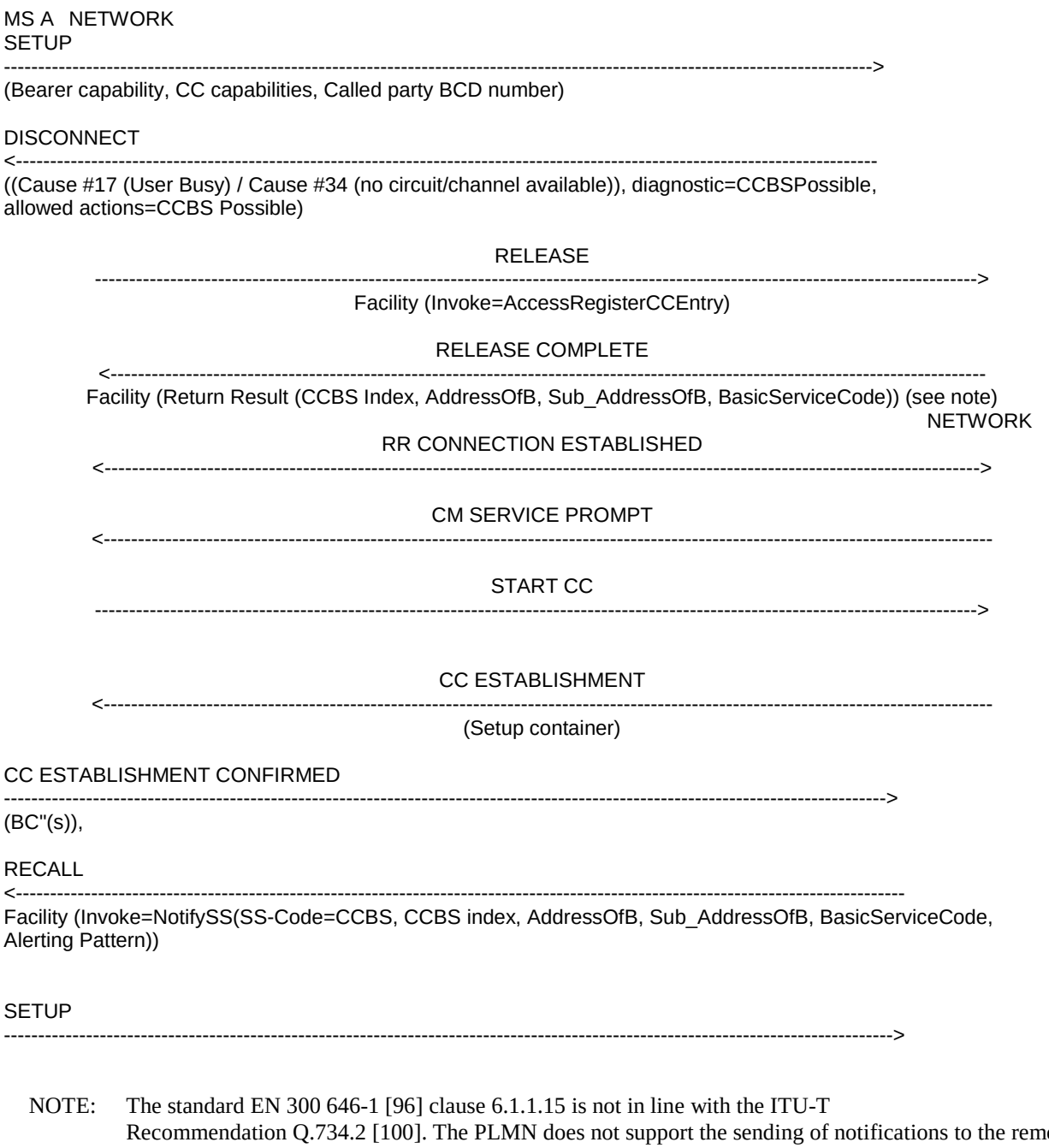
GP___xxSSCFB01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543, clause 2 ETS 300 566, clause 2
TSSreference:	GSM-PSTN /Supplementary_services/CFB	
PSTN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to user"=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 and user C are notified of call diversion.	
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCFB02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543, clause 2 ETS 300 566, clause 2
TSSreference:	GSM-PSTN /Supplementary_services/CFB	
PSTN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to User"=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 user C are notified of call diversion.	
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCFNR	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543, clause 3 ETS 300 566, clause 3
TSSreference:	GSM-PSTN /Supplementary_services/CFNR	
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion"=Yes, with diverted-to number, "diverting number is released to the diverted-to user"=Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
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 values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCFNR02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** ETS 300 543, clause 3 ETS 300 566, clause 3
TSSreference:	GSM-PSTN /Supplementary_services/CFNR	
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion"=Yes, 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 user B, if unanswered the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
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.	

GP___xxSSCCBS01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
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. 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.	



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:** EN 300 001	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B 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.	

Values for testpurpose GI___xxSSCCBS02	
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

GP___xxSSCCBS03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when network B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
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. 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 ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

GP___xxSSCCBS04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) when user B has answered the call (network has responded to the call with a ANM message) the MS A receives an CONNECT message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
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. 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.	

GP___xxSSCCBS05	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GP___xxSSCCBS06	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
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 values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GP___xxSSCCBS07	**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_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 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.	

GP___xxSSCCBS08	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.4
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible (CCBS Activated state) the user can deactivate outstanding CCBS requests	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

GP___xxSSCCBS09	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2
TSSreference:	GSM-PSTN/Supplementary_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 subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit / channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

NON-SYMMETRICAL TESTS

GP___xxSNMCID01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-PSTN/Supplementary_services/MCID	
PSTN selection criteria:	The called (served) user is provided with MCID	
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 values:	GSM-BC=G_BC_ID	
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.	

GP___xxSNMCID02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	GSM-PSTN/Supplementary_services/MCID	
PSTN selection criteria:	The called (served) user is provided with MCID	
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 values:	GSM-BC=G_BC_ID	
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.	

GP___xxSNMPTY01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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. 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:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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.	

GP___xxSNMPTY03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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. 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:	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.	

GP___xxSNMPTY04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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.	

GP___xxSNMPTY05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE / MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GP___xxSNMPTY06	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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 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.	

GP___xxSNMPTY07	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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 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.	

GP___xxSNMPTY08	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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.	

GP___xxSNMPTY09	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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:		

GP___xxSNMPTY10	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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:		

GP___xxSNMPTY11	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 517, TS 100 545
TSSreference:	GSM-PSTN/Supplementary_services/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 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 values:	GSM-BC=G_BC_ID	
Comments:		

GP___xxSNCBS01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** ETS 300 548
TSSreference:	GSM-PSTN/Supplementary_services/Call barring service	
PSTN selection criteria:		
PLMN selection criteria:	Barring of Outgoing international Calls	
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 values:	GSM-BC=G_BC_ID	
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

GG___SP__01	**PLMN ref. to:** EN 300 940, clause 5.2 TS 100 976, clause 10.2	
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 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.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

GG___SP__02	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2.1	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech	
PLMN selection 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:		

GG___SP__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 criteria origin.:	TS 11	
PLMN selection criteria term.:	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 calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

GG___SP__04	**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 criteria origin.:	TS 11	
PLMN selection criteria term.:	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 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

GG___AU__01	**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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

GG___AU__02	**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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
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 values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

GG___AU__03	**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 criteria act:	Audio	
PLMN selection criteria term.:	Audio	
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 values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE no LLC	
PLMN parameter values term.:	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:		

GG___AU__04	**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 criteria origin.:	Audio	
PLMN selection criteria term.:	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 is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE 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.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes GG___AU__03; GG___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

Successful

UDI

GG___UD__01	**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:		

GG___UD__02	**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 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:		

GG___UD__03	**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 criteria origin.:	UDI	
PLMN selection criteria term.:	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 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 values origin.:	GSM-BC=UDI, V.110/X.30, 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 values term.:	GSM-BC=UDI, V.110/X.30, 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 GI___DU__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

GG___FX__01	**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 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 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.:	GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX__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:		

GG___FX__03	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2 TS 100 913, clause B.1.11	
TSSreference:	GSM-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria origin.	TS 62	
PLMN selection criteria origin.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to GSM-BC=facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX__04	**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 criteria origin.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to GSM-BC=facsimile G3). The HLC "facsimile G2/G3" 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 values origin.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

GG___AF__01	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria origin.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the 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.:	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.	

GG___AF__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.	

GG___AF__03	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria origin.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the 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=facsimile G3, no HLC second GSM-BC=G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech 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 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=facsimile G3, no HLC second GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___AF__05	**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 criteria origin.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:	User A and user B are subscribed to different PLMN"s 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.	

GG___AF__06	**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 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.	

GG___AF__07	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2.2 TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria origin.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=facsimile G3, no HLC second GSM-BC=G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=facsimile G3	
Comments:		

GG___AF__08	**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 values origin.:	first GSM-BC=facsimile G3, no HLC second GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___AF__09	**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 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 "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 values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
PLMN parameter 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 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 criteria origin.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "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 values origin.:	first GSM-BC=speech 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.	

GG___AF__11	**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 criteria origin.:	TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=facsimile G3, no HLC	
Comments:		

GG___AF__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 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 "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 values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
PLMN parameter 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 The MODIFY message in not transmitted over the ISUP.	

GG___AF__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 criteria origin.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "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 values origin.:	first GSM-BC=speech 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.	

GG___AF__14	**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 criteria origin.:	TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___AF__15	**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 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" 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 values origin.:	first GSM-BC=GSM-BC=facsimile G3, no HLC second speech	
PLMN parameter 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 The MODIFY message in not transmitted over the ISUP.	

GG___AF__16	**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 criteria origin.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

GG___AF__017	**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 criteria origin.:	TS 61	
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 "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 values origin.:	first GSM-BC=facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC=facsimile G3 second GSM-BC=speech	
Comments:		

GG___AF__18	**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 values origin.:	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter 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 The MODIFY message in not transmitted over the ISUP.	

GG___AF__19	**PLMN ref. to:** EN 300 940, clause 5.2 TS 100 976, clause 9.2.2 b 10.2.2 TS 100 913, clause B.1.10	
TSSreference:	GSM-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria origin.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC=3,1 kHz audio with the HLC=Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=Facsimile G3, HLC=Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

GG___AF__20	**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 criteria origin.:	TS 61	
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 "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 values origin.:	first GSM-BC=GSM-BC=facsimile G3, HLC=Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC=GSM-BC=facsimile G3, HLC=Facsimile G2/G3 second GSM-BC=speech	
Comments:		

Successful
Alternate Speech / Data

GG___AD__01	**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.:	BS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech 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.	

GG___AD__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 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 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=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.	

GG___AD__03	**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.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech 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.	

GG___AD__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 values origin.:	first GSM-BC=speech 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.	

GG___AD__05	**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.:	BS 61	
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 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.:	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	
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.	

GG___AD__06	**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-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter 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.	

GG___AD__07	**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 criteria:	BS 61	
PLMN selection criteria:	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 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 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	
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	
Comments:		

Values for test purposes GG___AD__05 to GG___AD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

GG___AD__08	**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.:	BS 61	
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 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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	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:	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.	

GG___AD__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 criteria origin.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
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 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 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 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:** 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 term.:	BS 61	
PLMN selection 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 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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	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 purposes GG___AD__08 to GG___AD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful
Speech followed by data

GG___FD__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 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 values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
PLMN parameter values term.:	first GSM-BC=speech 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.	

GG___FD__02	**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 values origin.:	first GSM-BC=speech 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.	

GG___FD__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 values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech 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.	

GG___FD__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 values origin.:	first GSM-BC=speech 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.	

GG___FD__05	**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.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC=3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous /asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	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	
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.	

GG___FD__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 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.	

GG___FD__07	**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.:	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 values act:	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.:	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	
Comments:		

Values for test purposes GG___FD__05 to GG___FD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

GG___FD__08	**PLMN ref. to:** EN 300 940, clause 5.2.1 TS 100 976, clause 10.2.2 TS 100 913, clauses B.1.7 and B.2.7.1,	
TSSreference:	GSM-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria origin.:	BS 81	
PLMN selection criteria term.:	BS 81	
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 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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	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:	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.	

GG___FD__09	**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 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 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 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 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.	

GG___FD__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 criteria origin.:	BS 81	
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 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 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 LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	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 purposes GG___FD__08 to GG___FD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful
HSCSD - 3,1 kHz

GG___HA__01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038
TSSreference:	GSM-GSM/Basic_call/Successful/HSCSD - 3,1 kHz	
PLMN selection criteria origin.:	HSCSD, 3,1 kHz	
PLMN selection criteria term.	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 called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE 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 values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE fix network user rate: FNU_RATE	
Comments:		

GG___HA__02	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038	
TSSreference:	GSM-GSM/Basic_call/Successful/HSCSD - 3,1 kHz	
PLMN selection criteria origin.:	HSCSD, 3,1 kHz	
PLMN selection criteria term.	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 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 values origin.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/ asynchronous mode: MODE fix network user rate: FNU_RATE LLC=3,1 kHz audio, voice band data via modem, synchronous/ asynchronous mode: MODE user rate: USER_RATE	
Comments:		

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 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 AIU_RATE: 57,6 TCH_FX_X: 14,4
VA_07	MODE: asynchronous USER_RATE: 14,4 kbit/s FNU_RATE: 14,4 kbit/s No_TCH: 1 AIU_RATE: 14,4 TCH_FX_X:14,4
VA_08	MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 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

GG___HU__01	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038	
TSSreference:	GSM-GSM/Basic_call/Successful/HSCSD - UDI	
PLMN selection criteria origin.:	HSCSD, UDI	
PLMN selection criteria term.	HSCSD, UDI	
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 values origin.:	GSM-BC=UDI, V.110/X.30 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 values term.:	GSM-BC=information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

GG___HU__02	**PLMN ref. to:** EN 300 940 TS 100 976 TS 101 038	
TSSreference:	GSM-ISDN/Basic_call/Successful/HSCSD - UDI	
PLMN selection criteria origin.:	HSCSD, UDI	
PLMN selection criteria term.	HSCSD, UDI	
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 values origin.:	GSM-BC=UDI, V.110/X.30, 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 values term.:	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 purpose GG___HU__01 and GG___HU__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 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 TCH_FX_X:14,4
VA_08	MODE: asynchronous USER_RATE: 19,2 kbit/s FNU_RATE: 19,2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4,8
VA_09	MODE: asynchronous USER_RATE: 28,8 kbit/s FNU_RATE: 28,8 kbit/s No_TCH: 2 AIU_RATE: 28,8 TCH_FX_X:14,4
VA_10	MODE: asynchronous USER_RATE: 38,4 kbit/s FNU_RATE: 38,4 kbit/s No_TCH: 4 AIU_RATE: 38,8 TCH_FX_X:9,6
VA_11	MODE: asynchronous USER_RATE: 48,0 kbit/s FNU_RATE: 48,0 kbit/s No_TCH: 4 AIU_RATE: 57,6 TCH_FX_X: 14,4

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 criteria origin.:	TS 11	
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 values origin.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GG___SP_U02	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria origin.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) 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").	

GG___SP_U03	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria origin.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (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 values origin.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

GG___SP_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 values origin.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GG___SP_U05	**PLMN ref. to:** EN 300 940, clause H.1.8	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria origin.:	TS 11	
PLMN selection criteria term.:	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".	
PLMN parameter values origin.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

GG___SP_U06	**PLMN ref. to:** EN 300 940, clauses 5.2.1 and H.1.9	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria origin.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values origin.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

GG___SP_U07	**PLMN ref. to:** EN 300 940, clause H.5.3	
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 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 values origin.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

GG___SP_U08	**PLMN ref. to:** EN 300 940, clause H.1.5	
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 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 values origin.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

GG___SP_U09	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria origin.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values origin.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
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 criteria origin.:	Audio	
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 values origin.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GG___AU_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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
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=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

GG___AU_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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:		

GG___AU_U04	**PLMN ref. to:** EN 300 940, H.1.7 TS 100 974, clauses 18.2 and 18.3.2	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GG___AU_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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
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:		

GG___AU_U06	**PLMN ref. to:** EN 300 940, clauses 5.2.2.3.1 and H.1.9	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected". The network transport the cause value to the calling user.	
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:		

GG___AU_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 criteria origin.:	Audio	
PLMN selection criteria term.:	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 network transport the cause value to the calling user.	
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:		

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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
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 values origin.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

GG___AU_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 criteria origin.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values origin.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

UDI

GG___UD_U01	**PLMN ref. to:** EN 300 940, clause H.1.1	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.:	UDI	
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 values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GG___UD_U02	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.:	UDI	
PLMN selection criteria term.:	UDI	
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=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

GG___UD_U03	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GG___UD_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 values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GG___UD_U05	**PLMN ref. to:** EN 300 940, clause H.1.8	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria act:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GG___UD_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 criteria origin.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GG___UD_U07	**PLMN ref. to:** EN 300 940, clause H.5.3	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GG___UD_U08	**PLMN ref. to:** EN 300 940, clause H.1.5	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.	UDI	
PLMN selection criteria term.:	UDI	
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 values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GG___UD_U09	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria origin.:	UDI	
PLMN selection criteria term.:	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".	
PLMN parameter values origin.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

Unsuccessful

Facsimile group 3

GG___FX_U01	**PLMN ref. to:** EN 300 940, clause H.1.1	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria origin.:	TS 62	
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 values origin.:	GSM-BC=facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GG___FX_U02	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria origin.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) 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=facsimile G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

GG___FX_U03	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria origin.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (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 values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:		
Comments:		

GG___FX_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 values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GG___FX_U05	**PLMN ref. to:** EN 300 940, clause H.1.8	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX_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 criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values origin.:	GSM-BC=facsimile group 3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX_U07	**PLMN ref. to:** EN 300 940, clause H. 5.3	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	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.	
PLMN parameter values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX_U08	**PLMN ref. to:** EN 300 940, clause H.1.5	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
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 values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:		

GG___FX_U09	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria origin.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values origin.:	GSM-BC=facsimile G3	
PLMN parameter values term.:	GSM-BC=facsimile G3, HLC=Facsimile G2/G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

Alternate speech and facsimile group 3

GG___AF_U01	**PLMN ref. to:** EN 300 940, clause H.1.1	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GG___AF_U02	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
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.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GG___AF_U03	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GG___AF_U04	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:		

GG___AF_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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GG___AF_U06	**PLMN ref. to:** EN 300 940, clause H.1.8	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GG___AF_U07	**PLMN ref. to:** EN 300 940, clause H.1.8	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values term.:	first GSM-BC=speech 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.	

GG___AF_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 criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GG___AF_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 criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GG___AF_U10	**PLMN ref. to:** EN 300 940, clause H.5.3	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:	a) first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GG___AF_U11	**PLMN ref. to:** EN 300 940, clause H.5.3	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GG___AF_U12	**PLMN ref. to:** EN 300 940, clause H.1.5	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:		

GG___AF_U13	**PLMN ref. to:** EN 300 940, clause H.1.5	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GG___AF_U14	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values origin.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=Facsimile G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

GG___AF_U15	**PLMN ref. to:** EN 300 940, clause H.1.6	
TSSreference:	GSM-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
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 values origin.:	first GSM-BC=speech 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

GG___xxSSCLIP01	**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 criteria origin.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
PLMN parameter values term.:	GSM-BC=I_BC_ID Calling party subaddress	
PLMN parameter values origin.:	GSM-BC=G_BC_ID Calling party number: PI=PA, TON=national/international number, SI=NP, NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
Comments:		

GG___xxSSCLIP02	**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 criteria origin.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID 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 criteria origin.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID, Calling party subaddress	
PLMN parameter values term.:	GSM-BC=G_BC_ID Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

GG___xxSSCLIR02	**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 criteria origin.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when No Calling party 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

GG___xxSSCOLP01	**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 criteria origin.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
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 values origin.:	GSM-BC=G_BC_ID 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 values term.:	Connected subaddress	
Comments:		

GG___xxSSCOLP02	**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 criteria origin.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
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 values origin.:	GSM-BC=G_BC_ID Connected number: SI=NP TON=national/international number, PI=PA, NPI=ISDN/Telephony numbering plan (ITU-T Recommendations E.164/E.163)	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCOLR01	**PLMN ref. to:** EN 300 940, clause 9.3.5.2 ETS 300 542, clause 3 ETS 300 565, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/COLR	
PLMN selection criteria origin.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
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 values origin.:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG01	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG02	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG03	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG04	**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 criteria term.:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG05	**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 criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG06	**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,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG07	**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 criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG08	**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 criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG09	**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** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; the called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID; Facility (Invoke=NotifySS(CUG-Index))	
Comments:		

GG___xxSSCUG10	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary 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 the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG11	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **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 which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG12	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **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 the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG13	**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 criteria term.:	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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG14	**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 criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG15	**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,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG16	**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 criteria term.:	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 message (normal call).	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG17	**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,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCUG18	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user is not member of CUG	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **not IA; 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG19	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	The calling user is not member of CUG, the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **not IA; 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG20	**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: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	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 #29 "facility rejected ".	
PLMN parameter values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG21	**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: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG22	**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 criteria term.:	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 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG23	**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 criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); 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 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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG24	**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,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **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 values origin.:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GG___xxSSCUG25	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
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 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 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:		

GG___xxSSCUG26	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
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 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:		

GG___xxSSCUG27	**PLMN ref. to:** TS 100 546 TS 100 569	
TSSreference:	GSM-GSM/Supplementary_services/CUG	
PLMN selection criteria origin.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; 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: **not IA; not ICB**.	
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 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:		

GG___xxSSSUB01	**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.:	The called (served) user is provided with SUB	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSSUB02	**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:		

GG___xxSSCFU01	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CFU	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFU02	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CFU/GG___xxSSCFU02	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFB01	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of 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 with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke=NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified with a FACILITY (Invoke=NotifySS[CFB, SS-Notification]) message of call diversion.	
PLMN parameter values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFB02	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFNRy01	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**).	
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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFNRy02	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRy	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFNRc01	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRc	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFNRc02	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRc	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD01	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD02	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD03	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non -served user during the held state.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD04	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD05	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSHOLD06	**PLMN ref. to:** TS 100 544, clause 2 EN 300 953, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/HOLD	
PLMN selection criteria origin.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCW01	**PLMN ref. to:** TS 100 544, clause 1 EN 300 953, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CW	
PLMN selection criteria origin.:	CW	
PLMN selection criteria term.:	The called user is provided with CW.	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCW02	**PLMN ref. to:** TS 100 544, clause 1 EN 300 953, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CW	
PLMN selection criteria origin.:	CW	
PLMN selection criteria term.:	The called user is provided with CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1i01	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection criteria origin.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1i02	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection criteria origin.:	UUS1i	
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 ALERTING message sent from the called user to the calling user.	
PLMN parameter values origin.:	BC=GSM-BC=G_BC_ID, UI length=32	
PLMN parameter values term.:	GSM-BC=G_BC_ID, UI length=32	
Comments:		

GG___xxSSUUS1i03	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection criteria origin.:	UUS1i	
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:		

GG___xxSSUUS1i04	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection criteria origin.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
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:		

GG___xxSSUUS1i05	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1	
PLMN selection criteria origin.:	UUS1i	
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 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:		

GG___xxSSUUS1i06	**PLMN ref. to:** EN 300 940, clause 10.5.4.25	
TSSreference:	GSM-GSM/Supplementary_services/UUS1i	
PLMN selection criteria origin.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
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 values origin.:	GSM-BC=G_BC_ID, UI length=32	
PLMN parameter values term.:	GSM-BC=G_BC_ID, UI length=32	
Comments:	.	

GG___xxSSUUS1e01		
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection criteria origin.:	UUS1 e	
PLMN selection criteria term.:	UUS1e	
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 values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e02	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection criteria origin.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e03	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection criteria origin.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e04	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS1e	
PLMN selection criteria origin.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
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 criteria origin.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e06	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1	
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 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 values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e07	**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 criteria origin.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS1e08	**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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS201	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
PLMN selection criteria origin.:	UUS 2 e	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS202	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
PLMN selection criteria origin.:	UUS2 e	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS203	**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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS204	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
PLMN selection criteria origin.:	UUS 2 e	
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:		

GG___xxSSUUS205	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS2	
PLMN selection criteria origin.:	UUS2 e	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS206	**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**", 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:		

GG___xxSSUUS301	**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:		

GG___xxSSUUS302	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection criteria origin.:	UUS3	
PLMN selection criteria term.:	Ensure that after the calling user request UUS3 **during call establishment** indicating "**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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS303	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection criteria origin.:	UUS3	
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:		

GG___xxSSUUS304	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection criteria origin.:	UUS3	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS305	**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 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSUUS306	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-GSM/Supplementary_services/UUS3	
PLMN selection criteria origin.:	UUS3	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGG___xxSSECT01	**PLMN ref. to:** EN 300 940	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria origin.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGG___xxSSECT02	**PLMN ref. to:** EN 300 940	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria origin.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGG___xxSSECT03	**PLMN ref. to:** EN 300 940	
TSSreference:	GSM-GSM/Supplementary_services/ECT	
PLMN selection criteria origin.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GGG___xxSSECT04	**PLMN ref. to:** EN 300 940	
TSSreference:	GSM-GSM/Supplementary_services/ECT	
PLMN selection criteria origin.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **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.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSMPTY01	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

GG___xxSSMPTY02	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

GG___xxSSMPTY03	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

GG___xxSSMPTY04	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GG___xxSSMPTY05	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GG___xxSSMPTY06	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE / MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call with C.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

GG___xxSSMPTY07	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

GG___xxSSMPTY08	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User 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.	

GG___xxSSMPTY09	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSMPTY10	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSMPTY11	**PLMN ref. to:** TS 100 517, TS 100 545	
TSSreference:	GSM-GSM/Supplementary_services/MPTY	
PLMN selection criteria origin.:	MPTY	
PLMN selection criteria term.:	MPTY	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCBS01	**PLMN ref. to:** ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection criteria origin.:	The calling user activates Barring of Outgoing international	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCBS02	**PLMN ref. to:** ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection criteria origin.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke=NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSCBS03	**PLMN ref. to:** ETS 300 548	
TSSreference:	GSM-GSM/Supplementary_services/Call barring service	
PLMN selection criteria origin.:		
PLMN selection criteria term.:	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.	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSCCBS01	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	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. 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.	

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

GG___xxSSCCBS02	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions=CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B 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.	

Values for test purpose GI___xxSSCCBS02	
VA_01	GSM-BC=speech G_BC_ID_CONT=speech G_BC_ID_CC_E_C=speech G_HLC_ID_CC_E_C=telephony
VA_02	GSM-BC=speech GSM-HLC=telephony G_BC_ID_CONT=speech G_HLC_ID_CONT=telephony G_BC_ID_CC_E_C=speech G_LLC_ID_CC_E_C=3,1 kHz audio G_HLC_ID_CC_E_C=telephony
VA_03	GSM-BC=3,1 kHz audio ex PLMN G_BC_ID_CONT=3,1 kHz audio ex PLMN G_BC_ID_CC_E_C=3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C=3,1 kHz audio ex PLMN
VA_04	GSM-BC=facsimile G3 G_BC_ID_CONT=facsimile G3 G_BC_ID_CC_E_C=facsimile G3 G_HLC_ID_CC_E_C=Facsimile G2/G3
VA_05	GSM-BC=facsimile G3 G_HLC=Facsimile G2/G3 G_BC_ID_CONT=facsimile G3 G_HLC_ID_CC_E_C=Facsimile G2/G3 G_BC_ID_CC_E_C=facsimile G3

GG___xxSSCCBS03	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.2	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	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. 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 ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

GG___xxSSCCBS04	**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 criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
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 call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	
PLMN parameter values origin.:	BC=I_BC_ID	
PLMN parameter values term.:	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. 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.	

GG___xxSSCCBS05	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCCBS06	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCCBS07	**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 criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	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	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
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.	

GG___xxSSCCBS08	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14 TS 124 093 clause 4.4	
TSSreference:	GSM-GSM/Supplementary_services/CCBS	
PLMN selection criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	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	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSSCCBS09	**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 criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	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.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
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.	

GG___xxSSCCBS10	**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 criteria origin.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall the MS sends a RELEASE COMPLETE message.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
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

GG___xxSICFU_CLIP_COLP01	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CFU	
PLMN selection criteria origin.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call 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 performed correctly.	
PLMN parameter values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFU_CLIP_COLP02	**PLMN ref. to:** ETS 300 566, clause 1 ETS 300 543, clause 1	
TSSreference:	GSM-GSM/Supplementary_services/CFU/GG___xxSSCFU02	
PLMN selection criteria origin.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFB_CLIP_COLP01	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB	
PLMN selection criteria origin.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion"=**Yes;** "notification to forwarding subscriber"=**Yes**). User C is provided with CLIP	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **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[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.	
PLMN parameter values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFB_CLIP_COLP02	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB	
PLMN selection criteria origin.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion"=**No**; "notification to forwarding subscriber"=**No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFNRy_CLIP_COLP01	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services	
PLMN selection criteria origin.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**Yes**, "notification to forwarding subscriber"=**Yes**). 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 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** 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSSCFNRy_CLIP_COLP02	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRy	
PLMN selection criteria origin.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion"=**No** "notification to forwarding subscriber"=**No**) 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFNRc_CLIP_COLP01	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRc	
PLMN selection criteria origin.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFNRc_CLIP_COLP02	**PLMN ref. to:** ETS 300 566, clause 3 ETS 300 543, clause 3	
TSSreference:	GSM-GSM/Supplementary_services/CFNRc	
PLMN selection criteria origin.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICUG_CFU 01	**PLMN ref. to:** TS 300 518	
TSSreference:	GSM-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria origin.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belongs to the same CUG. 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSICUG_CFU 02	**PLMN ref. to:** TS 300 518	
TSSreference:	GSM-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria origin.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with 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 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSICUG_CFU 03	**PLMN ref. to:** TS 300 518	
TSSreference:	GSM-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria origin.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: **OA; 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSICUG_CFU 04	**PLMN ref. to:** TS 300 518	
TSSreference:	GSM-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria origin.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG. 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 values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GG___xxSICUG_CFU 05	**PLMN ref. to:** TS 300 518	
TSSreference:	GSM-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria origin.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belong to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFUand has active call forwarding to C.	
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.	
PLMN parameter values origin.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFB_CW0 1	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB_CW	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion"=**Yes**;) and CW.	
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.	
PLMN parameter values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GG___xxSICFB_CW02	**PLMN ref. to:** ETS 300 566, clause 2 ETS 300 543, clause 2	
TSSreference:	GSM-GSM/Supplementary_services/CFB_CW	
PLMN selection criteria origin.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call 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 values origin.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **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

GG___PP__CS_01	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MS's are in the Idle state.	
PLMN parameter values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
Comments:		

GG___PP__CS_02	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values term.:	GSM-TS=Short Message MT - PP	
Comments:	**MO** 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).	

GG___PP__CS_03	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values term.:	GSM-TS=Short Message MT - PP	
Comments:		

GG___PP__CS_04	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with theSSand the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, 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". A data or speech call is established on a DTCH with theSSand the state N10 of call control is entered. TheSSsends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). TheSSsends a CP-ACK to the UE within TC1M with no further CP-DATA messages and theSSinitiates RRC Connection release For the mobile originated short message is used the Maximum length (characters).	

GG___PP__CS_05	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MS's are involved in an active call (Active State N 04) Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with theSSand the state N04 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, 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". A data or speech call is established on a DTCH with theSSand the state N04 of call control is entered. TheSSsends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). TheSSsends a CP-ACK to the UE within TC1M with no further CP-DATA messages and theSSinitiates RRC Connection release. For the mobile originated short message is used the Maximum length (characters).	

GG___PP__CS_06	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
Comments:		

GG___PP__CS_07	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 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).	

GG___PP__CS_08	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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).	

GG___PP__CS_09	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
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_10	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
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 criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values origin.:	GSM-TS=Short Message MO - PP	
PLMN parameter values term.:	GSM-TS=Short Message MT - PP	
Comments:	MS-B is detached when the Short Message is sent.	

GG___PP__12	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 values term.:	GSM-TS=Short Message MT - PP	
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

GG___PP__PS_01	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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).	

GG___PP__PS_02	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 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).	

GG___PP__PS_03	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 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).	

GG___PP__PS_04	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
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 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).	

GG___PP__PS_05	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP context is in progress.	
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).	

7.5.3.1.3 Short message service cell broadcast

G____CB__01	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM -/Basic_call/Successful/Short_message	
PLMN selection criteria origin.:		
PLMN selection criteria term.	SMS-CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "Idle, updated".	
PLMN parameter values origin.:		
PLMN parameter values term.:	GSM-TS=Short Message MT - CB	
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.	

GG___CB__02	**PLMN ref. to:** ETS 300 559	
TSSreference:	GSM -GSM /Basic_call/Successful/Short_message	
PLMN selection criteria origin.:		
PLMN selection criteria term.	SMS-CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".	
PLMN parameter values origin.:		
PLMN parameter values term.:	GSM-TS=Short Message MT - CB	
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.	

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